

Safety data sheet

Page: 1/68

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

iso-Tridecyl Methacrylate (C13MA)

Chemical name: 2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich

INDEX-Number: 607-134-00-4

CAS Number: 85736-97-6

REACH registration number: 01-2120767973-37-0001, 01-2120767973-37-0002

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Monomer.

For the detailed identified uses of the product see appendix of the safety data sheet.

1.3. Details of the supplier of the safety data sheet

Company:BASF SE
67056 Ludwigshafen
GERMANYContact address:BASF plc
4th and 5th Floors, 2 Stockport Exchange
Railway Road, Stockport, SK1 3GG
UNITED KINGDOM

Telephone: +44 161 475 3000

E-mail address: product-safety-uk-and-ireland@basf.com

1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Skin Corr./Irrit. 2	H315 Causes skin irritation.
Eye Dam./Irrit. 2	H319 Causes serious eye irritation.
STOT SE 3	H335 May cause respiratory irritation.

Specific Concentration Limits According to Regulation (EC) No 1272/2008 [CLP]

STOT SE 3, irr. to respiratory syst.: $\geq 10\%$

For the classifications not written out in full in this section the full text can be found in section 16.

2.2. Label elements

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Pictogram:



Signal Word:

Warning

Hazard Statement:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
-------------	--

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
------	---

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

2.3. Other hazards

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Chemical nature

2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich

CAS Number: 85736-97-6

EC-Number: 288-509-6

INDEX-Number: 607-134-00-4

Hazardous ingredients (GHS)

2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich

Content (W/W): > 98 % - < 100 % Skin Corr./Irrit. 2

CAS Number: 85736-97-6 Eye Dam./Irrit. 2

EC-Number: 288-509-6 STOT SE 3 (irr. to respiratory syst.)

INDEX-Number: 607-134-00-4 H319, H315, H335

Specific concentration limit:

STOT SE 3, irr. to respiratory syst.: >= 10 %

Alcohols, C11-14-iso-, C13-rich

Content (W/W): > 0 % - < 2 %

CAS Number: 68526-86-3

EC-Number: 271-235-6

Aquatic Acute 1

Skin Corr./Irrit. 2

Aquatic Chronic 2

M-factor acute: 1

H315, H411, H400

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

3.2. Mixtures

Not applicable

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Wash thoroughly with soap and water

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. (Further) symptoms and / or effects are not known so far

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:

dry powder, water spray, carbon dioxide, foam

Unsuitable extinguishing media for safety reasons:

water jet

Additional information:

Use extinguishing measures to suit surroundings.

5.2. Special hazards arising from the substance or mixture

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

| Advice: Self-polymerization if overheated in a container. Cool endangered containers with water-spray.

| Advice: The product is combustible. See SDS section 7 - Handling and storage.

5.3. Advice for fire-fighters

Special protective equipment:

| Wear a self-contained breathing apparatus. Special protective equipment for firefighters

Further information:

| Extend fire extinguishing measures to the surroundings. Fight fire from maximum distance. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

| In case of a fire in the vicinity a restabilization system should be used if the temperature in the bulk storage-tank reaches 45°C. Evacuate area of all unnecessary personnel. In case of a fire in the vicinity evacuate all personnel in a greater area if the temperature in the bulk storage-tank reaches 60°C.

| Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 6: Accidental Release Measures

| High risk of slipping due to leakage/spillage of product.

| Release of substance/product can cause fire or explosion. Shut off or stop source of leak. Shut off or stop released substance/product under safe conditions.

| Pack in tightly closed containers for disposal.

6.1. Personal precautions, protective equipment and emergency procedures

| Handle in accordance with good industrial hygiene and safety practice.

| Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools.

6.2. Environmental precautions

| Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

| For large amounts: Pump off product.

| Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations. Ensure adequate ventilation. Suppress gases/vapours/mists with water spray jet. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Cleaning operations should be carried out only while wearing breathing apparatus. Pick up with suitable appliance and dispose of.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

The substance/ product may be handled only by appropriately trained personnel. Facility parts must be checked for polymer residues and cleaned on regular basis in order to avoid hazardous reactions.

Ensure thorough ventilation of stores and work areas. Encapsulation or exhaust ventilation required. Vent waste air to atmosphere only through suitable separators. Check the condition of seals and connector screw threads.

The temperatures which must be avoided are to be considered. Protect against heat. Protect contents from the effects of light. Do not open warm or swollen product containers. Remove persons to safety and alert fire brigade.

Ensure adequate inhibitor and dissolved oxygen level.

Avoid inhalation of dusts/mists/vapours. Avoid aerosol formation. Avoid all direct contact with the substance/product.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Ground all transfer equipment properly to prevent electrostatic discharge. It is recommended that all conductive parts of the machinery are grounded.

Heated containers should be cooled to prevent polymerization. If exposed to fire, keep containers cool by spraying with water. Emergency cooling must be provided for the eventuality of a fire in the vicinity.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Prior to storage ensure that the transfer equipment used and the intended storage containers do not contain other substances/products. Before transfer to stock the identity of the product must be proved to be without doubt. The entrance to storage rooms is to be granted only to appropriately trained personnel.

The stabilizer is only effective in the presence of oxygen. Maintain contact with atmosphere containing 5 - 21% oxygen. Never use tanks with inert-gas installation for storage.

Risk of polymerization. Protect against heat. Avoid UV-light and other radiation with high energy. Protect against contamination.

In case of bulk storage, the storage-tanks should at least be equipped with two high temperature alert devices.

Even if the product is stored and handled as prescribed/indicated it should be used up within the indicated duration of storage.

Storage stability:

Storage temperature: 2 - 35 °C

Storage duration: 12 Months

The stated storage temperature should be noted.

Avoid prolonged storage.

This product should be processed as soon as possible.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Ensure adequate inhibitor and dissolved oxygen level.
Do not store with less than 10 % headspace above liquid.
Storage stability is based upon ambient temperatures and conditions described.
It is recommended to keep a safe distance of +2 degrees above the crystallization range.
The product is stabilized, the shelf life should be noted.

7.3. Specific end use(s)

| See exposure scenario(s) in the attachment to this safety data sheet.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

| No substance specific occupational exposure limits known.

PNEC

No PNEC value available.

DNEL

worker:

Long-term exposure- systemic effects, by inhalation: 10.58 mg/m³

worker:

Long-term exposure- systemic effects, dermal: 3 mg/kg

consumer:

Long-term exposure- systemic effects, dermal: 1.5 mg/kg

consumer:

Long-term exposure- systemic effects, by inhalation: 2.6 mg/m³

consumer:

Long-term exposure- systemic effects, oral: 1.5 mg/kg

8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

Hand protection:

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

butyl rubber (butyl) - 0.7 mm coating thickness

Manufacturer's directions for use should be observed because of great diversity of types.

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Avoid contact with the skin, eyes and clothing. Avoid inhalation of vapour. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

All appropriate measures must be taken to prevent the release of this product to the environment and to limit the dispersion of any release when it occurs. Suitable risk management measures should be in place.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form:	liquid	
Colour:	colourless	
Odour:	ester-like	
Odour threshold:	not determined	
pH value:	not soluble	
Melting point:	none	(OECD Guideline 102)
glass transition temperature:	-106 °C	(OECD Guideline 102)
Boiling point:	297 °C (1,013 hPa)	(OECD Guideline 103)
Flash point:	134 °C	(Directive 92/69/EEC, A.9, closed cup)
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Flammability:	hardly combustible	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	239 °C	(DIN EN 14522)
Vapour pressure:	0.06 Pa (20 °C) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition., Literature data.	
Density:	0.87 g/cm ³ (20 °C) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition., Literature data.	
Relative density:	0.87 (20 °C)	
Relative vapour density (air):	> 1 (20 °C) Heavier than air.	(estimated)
Solubility in water:	< 1 µg/l (25 °C)	(other)
Partitioning coefficient n-octanol/water (log Kow):		(OECD Guideline 117)
Self ignition:	Based on its structural properties the product is not classified as self-igniting.	Test type: Spontaneous self-ignition at room-temperature.
Thermal decomposition:	If prolonged excursions above the recommended storage temperature occur, then the rate of inhibitor depletion could accelerate, leading to an increased risk of polymerisation.	
Viscosity, dynamic:	It is not a self-decomposable substance. 5.78 mPa.s (20 °C) 4.95 mPa.s (25 °C)	(ASTM D 7042) (ASTM D 7042)
Viscosity, kinematic:	No data available.	
Explosion hazard:	Based on the chemical structure there is no indication of explosive properties.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Fire promoting properties: Based on its structural properties the product is not classified as oxidizing.

9.2. Other information

Self heating ability: not applicable, the product is a liquid

SADT: Not a substance/mixture liable to self-decomposition according to GHS.

Miscibility with water:

immiscible

Hygroscopy:

Non-hygroscopic

Adsorption/soil - air:

KOC: > 2040 - < 51000

(OECD Guideline 106)

The product has not been tested.

The statement has been derived from substances/products of a similar structure or composition.

Surface tension:

Based on chemical structure, surface activity is not to be expected.

Grain size distribution:

The substance / product is marketed or used in a non solid or granular form.

SECTION 10: Stability and Reactivity

10.1. Reactivity

| No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: Corrosive effects to metal are not anticipated.

Formation of flammable gases:

Remarks:

Forms no flammable gases in the presence of water.

10.2. Chemical stability

| The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

| Ignitable air mixtures can form when the product is heated above the flash point and/or when sprayed or atomized.

| **Polymerization coupled with heat formation.**

| **Risk of spontaneous polymerization by oxygen depletion of the liquid phase. Risk of spontaneous polymerization when heated or in the presence of UV radiation. Risk of spontaneous and violent self-polymerization if inhibitor is lost or product is exposed to excessive heat.**

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Reacts with nitric acid. Risk of spontaneous polymerization in the presence of starters for radical chain reactions (e.g. peroxides). Risk of spontaneous polymerization in the presence of oxidizing agents.

Hazardous reactions in presence of mentioned substances to avoid.

The product is stabilized against spontaneous polymerization prior to despatch. The product is stable if stored and handled as prescribed/indicated.

10.4. Conditions to avoid

Avoid heat. Avoid oxygen content above the product of less than 5 %. Avoid UV-light and other radiation with high energy. Avoid direct sunlight. Avoid prolonged storage. Avoid inhibitor loss. Avoid excessive temperatures.

10.5. Incompatible materials

Substances to avoid:

radical formers, free radical initiators, peroxides, oxidizing agents, reducing agents, strong bases, strong acids
Inert gas

10.6. Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion.

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg (OECD Guideline 401)

Irritation

Assessment of irritating effects:

Not irritating to eyes and skin. The European Union (EU) has classified the substance as "irritating to skin and eyes".

Experimental/calculated data:

Skin corrosion/irritation

rabbit: non-irritant (OECD Guideline 404)

Serious eye damage/irritation

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

rabbit: non-irritant (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies.

Experimental/calculated data:

Mouse Local Lymph Node Assay (LLNA) mouse: Non-sensitizing. (similar to OECD guideline 429)

Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

Carcinogenicity

Assessment of carcinogenicity:

No data available concerning carcinogenic effects.

Reproductive toxicity

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect. The results were determined in a Screening test (OECD 421/422). The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Developmental toxicity

Assessment of teratogenicity:

No indications of a developmental toxic / teratogenic effect were seen in animal studies. The results were determined in a Screening test (OECD 421/422).

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure. The European Union (EU) has classified the substance as "causing irritation of the respiratory tract"

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The information available on the product provides no indication of toxicity on target organs after repeated exposure. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Aspiration hazard

not applicable

SECTION 12: Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. Based on long-term (chronic) toxicity study data, the product is very likely not harmful to aquatic organisms. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

Toxicity to fish:

LC50 (96 h) > 10,000 mg/l, *Brachydanio rerio* (OECD Guideline 203, static)

Aquatic invertebrates:

No data available.

Aquatic plants:

EC50 (72 h) > 10 µg/l (growth rate), *Desmodesmus subspicatus* (OECD Guideline 201, static)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Microorganisms/Effect on activated sludge:

EC50 (180 min) > 10,000 mg/l, (OECD Guideline 209, static)

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d) \geq 5.73 µg/l, *Daphnia magna* (OECD Guideline 211, semistatic)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment of terrestrial toxicity:

No data available.

12.2. Persistence and degradability

Assessment biodegradation and elimination (H₂O):

readily biodegradable, but failing 10d window

Elimination information:

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

79.4 % CO₂ formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic, non-adapted) readily biodegradable, but failing 10d window

Assessment of stability in water:

Substance is readily biodegradable, therefore hydrolysis is not expected to be relevant.

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

Does not accumulate in organisms.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Bioaccumulation potential:

Bioconcentration factor (BCF): 37 (56 h), Brachydanio rerio (OECD Guideline 305 E)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

12.4. Mobility in soil

Assessment transport between environmental compartments:

Volatility: No data available.

Adsorption in soil: Adsorption to solid soil phase is possible. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

12.5. Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative). Self classification

12.6. Other adverse effects

The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Must be sent to a suitable incineration plant, observing local regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Contaminated packaging:

Disposal must be made according to official regulations.

SECTION 14: Transport Information

Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Inland waterway transport

ADN

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Transport in inland waterway vessel

Not evaluated

Sea transport

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

14.1. UN number or ID number

See corresponding entries for "UN number or ID number" for the respective regulations in the tables above.

14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):
Listed in above regulation: no

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

SECTION 16: Other Information

Assessment of the hazard classes according to UN GHS criteria (most recent version)

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Annex: Exposure Scenarios

Index

1.

ERC6c; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15

2. Use in/as Formulation, (use in industrial settings)

ERC6c; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15

3. Use in/as Formulation, (use in professional settings)

ERC8c, ERC8f; PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15, PROC19

4.

ERC6c; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15

5. Manufacture of substance, (use in industrial settings)

ERC1; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15

6. Formulation & (re)packing of substances and mixtures, (use in industrial settings)

ERC2; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15

1. Short title of exposure scenario

ERC6c; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC6c: Use of monomer in polymerisation processes at industrial site (inclusion or not into/onto article) As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
Assumes activities are at ambient temperature.	
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 0 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0034 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.1117 mg/m ³
Risk Characterization Ratio (RCR)	0.010555
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
Assumes activities are at ambient temperature.	
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee	Effectiveness: 90 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

training.	
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.1371 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.045714
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	1.1167 mg/m ³
Risk Characterization Ratio (RCR)	0.105545
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0686 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.022857
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.35 mg/m ³

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Risk Characterization Ratio (RCR)	0.316635
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
Assumes activities are at ambient temperature.	
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with specific activity training	Effectiveness: 95 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with specific activity training	Effectiveness: 95 %
Wear suitable working clothes.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.7 mg/m ³
Risk Characterization Ratio (RCR)	0.63327
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 95 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.7917 mg/m ³
Risk Characterization Ratio (RCR)	0.263863
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0343 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.011429
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

2. Short title of exposure scenario

Use in/as Formulation, (use in industrial settings)

ERC6c; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC6c: Use of monomer in polymerisation processes at industrial site (inclusion or not into/onto article) As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

	Content: $\geq 0\%$ - $\leq 100\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 0 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0034 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.1117 mg/m ³
Risk Characterization Ratio (RCR)	0.010555
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: $\geq 0\%$ - $\leq 100\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in	Effectiveness: 90 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

combination with 'basic' employee training.	
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.1371 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.045714
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	1.1167 mg/m ³
Risk Characterization Ratio (RCR)	0.105545
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0686 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.022857
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Exposure estimate	3.35 mg/m ³
Risk Characterization Ratio (RCR)	0.316635
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
Assumes activities are at ambient temperature.	
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
Assumes activities are at ambient temperature.	
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.35 mg/m ³
Risk Characterization Ratio (RCR)	0.316635
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
Assumes activities are at ambient temperature.	
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with specific activity training	Effectiveness: 95 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.7 mg/m ³
Risk Characterization Ratio (RCR)	0.63327
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 95 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.7917 mg/m ³
Risk Characterization Ratio (RCR)	0.263863
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Duration and Frequency of activity	60 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with specific activity training	Effectiveness: 95 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.2333 mg/m ³
Risk Characterization Ratio (RCR)	0.21109
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	60 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with specific activity training	Effectiveness: 95 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.2333 mg/m ³
Risk Characterization Ratio (RCR)	0.21109
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with specific activity training	Effectiveness: 95 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.7 mg/m ³
Risk Characterization Ratio (RCR)	0.63327
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC14: Tableting, compression, extrusion, pelletisation, granulation Use domain: industrial

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: $\geq 0\%$ - $\leq 100\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.3429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.114286
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: $\geq 0\%$ - $\leq 100\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0343 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.011429
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

3. Short title of exposure scenario

Use in/as Formulation, (use in professional settings)

ERC8c, ERC8f; PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15, PROC19

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC8c: Widespread use leading to inclusion into/onto article (indoor) As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	ERC8f: Widespread use leading to inclusion into/onto article (outdoor) As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

	rich Content: $\geq 0\%$ - $\leq 25\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.8229 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.274286
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.628 mg/m ³
Risk Characterization Ratio (RCR)	0.531947
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: $\geq 0\%$ - $\leq 5\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker Worker - dermal, long-term - systemic
Exposure estimate	0.2743 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.091429
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker Worker - inhalation, long-term - systemic
Exposure estimate	4.69 mg/m ³
Risk Characterization Ratio (RCR)	0.443289
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
Assumes activities are at ambient temperature.	
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker Worker - dermal, long-term - systemic

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Exposure estimate	0.2743 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.091429
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.7 mg/m ³
Risk Characterization Ratio (RCR)	0.63327
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.69 mg/m ³
Risk Characterization Ratio (RCR)	0.443289
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: $\geq 0\%$ - $\leq 25\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.4114 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.137143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.04 mg/m ³
Risk Characterization Ratio (RCR)	0.759924
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: $\geq 0\%$ - $\leq 5\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.5486 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.182857
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.7 mg/m ³
Risk Characterization Ratio (RCR)	0.63327
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.5486 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.182857

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.7 mg/m ³
Risk Characterization Ratio (RCR)	0.63327
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.5486 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.182857
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.7 mg/m ³
Risk Characterization Ratio (RCR)	0.63327
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

	Content: $\geq 0\%$ - $\leq 25\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.8229 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.274286
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.628 mg/m ³
Risk Characterization Ratio (RCR)	0.531947
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: $\geq 0\%$ - $\leq 25\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.8229 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.274286
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.628 mg/m ³
Risk Characterization Ratio (RCR)	0.531947
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC14: Tableting, compression, extrusion, pelletisation, granulation Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.2057 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.068571

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.04 mg/m ³
Risk Characterization Ratio (RCR)	0.759924
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0206 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.006857
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.02 mg/m ³
Risk Characterization Ratio (RCR)	0.379962
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC19: Manual activities involving hand contact Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

	Content: $\geq 0\%$ - $\leq 5\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, worker, modified version, The concentration of the substance has been considered using a linear approach.
	Worker - dermal, long-term - systemic
Exposure estimate	0.7071 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.235714
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, worker, modified version, The concentration of the substance has been considered using a linear approach.
	Worker - inhalation, long-term - systemic
Exposure estimate	1.675 mg/m ³
Risk Characterization Ratio (RCR)	0.158318
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra Please note that a modified version has been used (see exposure estimates)	

Contributing exposure scenario	
Use descriptors covered	PROC19: Manual activities involving hand contact Use domain: professional
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: $\geq 0\%$ - $\leq 5\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Risk Management Measures	
Local exhaust ventilation	Effectiveness: 80 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, worker, modified version, The concentration of the substance has been considered using a linear approach.
	Worker - dermal, long-term - systemic
Exposure estimate	0.7071 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.235714
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, worker, modified version, The concentration of the substance has been considered using a linear approach.
	Worker - inhalation, long-term - systemic
Exposure estimate	1.675 mg/m ³
Risk Characterization Ratio (RCR)	0.158318
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra Please note that a modified version has been used (see exposure estimates)	

4. Short title of exposure scenario

ERC6c; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC6c: Use of monomer in polymerisation processes at industrial site (inclusion or not into/onto article) As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

	Content: $\geq 0\%$ - $\leq 100\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 0 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0034 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.1117 mg/m ³
Risk Characterization Ratio (RCR)	0.010555
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: $\geq 0\%$ - $\leq 100\%$
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in	Effectiveness: 90 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

combination with 'basic' employee training.	
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.1371 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.045714
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	1.1167 mg/m ³
Risk Characterization Ratio (RCR)	0.105545
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0686 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.022857
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Exposure estimate	3.35 mg/m ³
Risk Characterization Ratio (RCR)	0.316635
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
Assumes activities are at ambient temperature.	
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.35 mg/m ³
Risk Characterization Ratio (RCR)	0.316635
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with specific activity training	Effectiveness: 95 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.7 mg/m ³
Risk Characterization Ratio (RCR)	0.63327
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 95 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.7917 mg/m ³
Risk Characterization Ratio (RCR)	0.263863
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0343 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.011429
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

5. Short title of exposure scenario

Manufacture of substance, (use in industrial settings)

ERC1; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC1: Manufacture of the substance As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 0 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0034 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.1117 mg/m ³
Risk Characterization Ratio (RCR)	0.010555
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee	Effectiveness: 90 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

training.	
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.1371 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.045714
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	1.1167 mg/m ³
Risk Characterization Ratio (RCR)	0.105545
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0686 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.022857
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.35 mg/m ³

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Risk Characterization Ratio (RCR)	0.316635
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
Assumes activities are at ambient temperature.	
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.35 mg/m ³
Risk Characterization Ratio (RCR)	0.316635
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	60 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.2333 mg/m ³
Risk Characterization Ratio (RCR)	0.21109
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 95 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.7917 mg/m ³
Risk Characterization Ratio (RCR)	0.263863
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0343 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.011429
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

6. Short title of exposure scenario

Formulation & (re)packing of substances and mixtures, (use in industrial settings)

ERC2; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC2: Formulation into mixture As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 0 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0034 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.1117 mg/m ³
Risk Characterization Ratio (RCR)	0.010555
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.1371 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.045714
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	1.1167 mg/m ³
Risk Characterization Ratio (RCR)	0.105545
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0686 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.022857
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.35 mg/m ³
Risk Characterization Ratio (RCR)	0.316635

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	
Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
Assumes activities are at ambient temperature.	
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	240 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.35 mg/m ³
Risk Characterization Ratio (RCR)	0.316635
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	60 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.2333 mg/m ³
Risk Characterization Ratio (RCR)	0.21109
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 95 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.457143
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.7917 mg/m ³
Risk Characterization Ratio (RCR)	0.263863
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.6857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.228571
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	0.06 Pa
Duration and Frequency of activity	480 min 5 days per week

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 18.09.2023

Version: 4.0

Date previous version: 06.10.2022

Previous version: 3.0

Date / First version: 27.02.2017

Product: **iso-Tridecyl Methacrylate (C13MA)**

(ID no. 30539125/SDS_GEN_GB/EN)

Date of print 29.05.2024

Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 90 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
Wear suitable working clothes.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0343 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.011429
Assessment method	EASY TRA v5.2, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.5833 mg/m ³
Risk Characterization Ratio (RCR)	0.527725
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	
