

BASF Intermediates

Products and Solutions for the Agrochemical Industry

□ • BASF

We create chemistry

BASF Intermediates for the Agrochemical Industry

As the world's leading producer of chemicals, BASF provides a wide range of intermediates for the agrochemical industry.

With an extensive portfolio of more than 700 intermediates, BASF offers an excellent fit to the raw material requirements of agrochemical producers. Our intermediates are used as building blocks or solvents in the production of active ingredients. They may also be used as formulants for finished products.

A strong base of integrated production sites in Asia combined with global availability of intermediates from world-scale plants enable BASF to satisfy the growing demand of Asian agrochemical producers.

Regionally manufactured products include Formic Acid, Propionic Acid and Dimethylformamide out of BASF's Nanjing (China) operations, as well as Acid Chlorides and Chloroformates produced in Yeosu (Korea).

Imidazole derivatives and Ethanolamines are examples of important products from BASF's European production. They are supplied to Asian customers, capitalizing on the logistics and product stewardship strengths of BASF.

The increased investments into Diethanolamine and Ethylenediamine and other capacities in Nanjing over the years has further strengthened BASF's role as a major supplier to agrochemical producers in Asia.



BASF's portfolio for the Agrochemical Industry

Portfolio examples:
Building blocks for active ingredients,
solvents, formulants and process reagents

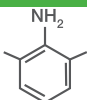
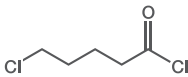
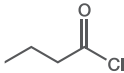
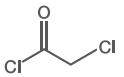
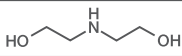



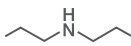
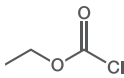
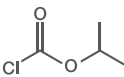



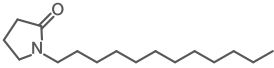
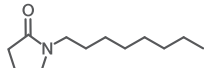
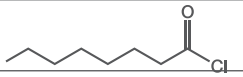
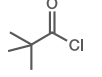
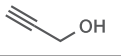




Fungicide

Chemical Name	Chemical Structure	CAS-no.	Application Examples* (Active Ingredients)
1,2-Pentanediol		5343-92-0	Propiconazole
1,2-Propylenediamine		78-90-0	Propineb
2,6-Xylidine		87-62-7	Metalaxyl
2-Mercaptoethanol		60-24-2	Carboxin
Chloroacetyl chloride		79-04-9	Epoxiconazol, Flutriafol
Ethyl chloroformate		541-41-3	Thiophanate-E, Ampropylfos
Ethylenediamine		107-15-3	Mancozeb
Formamide		75-12-7	Triazole Fungicides (e.g. Diniconazole, Hexaconazole, Propiconazole, Tebuconazole, Triadimefon)
Imidazole		288-32-4	Imazalil, Prochloraz
Isopropyl chloroformate		108-23-6	Benthiavalicarb, Diethofencarb, Dinobuton
Methyl chloroformate		79-22-1	Benomyl, Carbendazim, Thiophanate-M
Morpholine		110-91-8	Dimethomorph
N,N-Dimethylacetamide		127-19-5	Various (e.g. Carbendazim) as solvent
N-Dodecyl-2-pyrrolidone		2687-96-9	Various (e.g. Tebuconazole) as formulant
N-Octyl-2-pyrrolidone		2687-94-7	Various (e.g. Tebuconazole) as formulant
Valeroyl chloride		638-29-9	Hexaconazole



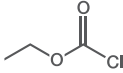
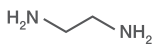

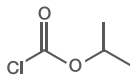

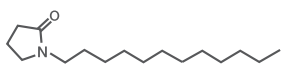
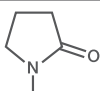
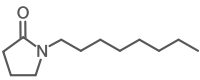
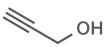


Note: the application example and active ingredient category information contained in this brochure is derived from public-domain sources (reports, databases, patent publications etc). In light of the many factors that may affect processing and application of our product, these do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislations are observed.

Herbicide

Chemical Name	Chemical Structure	CAS-no.	Application Examples* (Active Ingredients)
2,6-Xylidine		87-62-7	Metazachlor
5-Chlororvaleroyl chloride		1575-61-7	Pyraclonil, Cyclopyranil
Butyryl chloride		141-75-3	Butoxydim, Cycloxydim, Profoxydim
Chloroacetyl chloride		79-04-9	Metolachlor, Pethoxamid, Metazachlor, Dimethenamid, Flufenacet
Diethanolamine		111-42-2	Glyphosate
Diethylketone		96-22-0	Pendimethalin, Propanil
Dimethylamine		124-40-3	Diuron, Fluometuron, Isoproturon, Tribenuron, Cholotoluron, Diuron, Glyphosate
Dimethylformamide		68-12-2	Various (e.g. Triasulfuron) as solvent
Dipropylamine		142-84-7	EPTC, Prosulfocarb, Trifluralin
Ethyl chloroformate		541-41-3	Hexazinone, Metsulfuron-Methyl, Sulfometuron, Chlorsulfuron, Linuron, Tribenuron
Isopropyl chloroformate		108-23-6	Chlorpropham, Phenisopham, Propham
Methyl chloroformate		79-22-1	Asulam, Phenmedipham, Pyriminobac-methyl, Pyrazosulfuron, Fosamine ammonium, Flumiclorac
Monoethylamine		75-04-7	Atrazine, Terburtryn
Monoisopropylamine		75-31-0	Atrazine, Glyphosate
N-Dodecyl-2-pyrrolidone		2687-96-9	Various (e.g. Diuron, Linuron) as formulant
N-Octyl-2-pyrrolidone		2687-94-7	Various (e.g. Diuron, Linuron) as formulant
Octanoyl chloride		111-64-8	Bromoxynil
Pivaloyl chloride		3282-30-2	Tebuthiuron, Pinoxaden
Propargyl alcohol		107-19-7	Bromoxynil, Clodinafop
Propionyl chloride		79-03-8	Propanil, Tralkoxydim, Butoxydim, Tepraloxymid
tert.-Butylamine		75-64-9	Terburtryn, Terbutylazine

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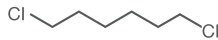

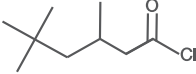
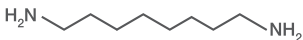
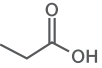



Insecticide

Chemical Name	Chemical Structure	CAS-no.	Application Examples* (Active Ingredients)
Dimethylamine		124-40-3	Cartap, Thiosultap, Oxamyl
Dimethylformamide		68-12-2	Chlorpyrifos, Imidacloprid, Lambda-cyhalothrin
Ethyl chloroformate		541-41-3	Fenoxycarb
Ethylenediamine		107-15-3	Imidacloprid
Isobutyryl chloride		79-30-1	Pyflubumide, Fenpicoxamid
Isopropyl chloroformate		108-23-6	Dinobuton
Monomethylamine		74-89-5	Clothanidine
N-Dodecyl-2-pyrrolidone		2687-96-9	Various (e.g. Carbaryl, Cypermethrin) as formulant
N-Methyl-2-pyrrolidone		872-50-4	Imidacloprid
N-Octyl-2-pyrrolidone		2687-94-7	Various (e.g. Carbaryl, Cypermethrin) as formulant
Propargyl alcohol		107-19-7	Propargite
Propionyl chloride		79-03-8	Etrifos
tert.-Butylamine		75-64-9	Diafenthiuron

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Others

Chemical Name	Chemical Structure	CAS-no.	Application Examples* (Active Ingredients)
1,6-Dichlorohexane		2163-00-0	pheromone
Formic acid		64-18-6	Various
Isononanoyl chloride		36727-29-4	Various
Octamethylenediamine		373-44-4	Various
Propionic acid		79-09-4	Various
Propylenecarbonate		108-32-7	Various
Pyrrolidine		123-75-1	Various
Tetrahydrofuran		109-99-9	Various

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Sustainable Development at BASF



BASF has a history of more than 150 years and a track record that shows chemistry as an enabler for new ideas and solutions to address global challenges.

Sustainability is the core of BASF's purpose: "We create chemistry for a sustainable future." Growing demand is putting an increasing strain on our planet, and we are consuming more than the Earth can regenerate. Sustainability is, therefore, crucial for our future. BASF defines sustainability as balancing economic success with social and environmental responsibility, both today and in the future.

Intermediates for Agrochemical production



For more information, please visit
<https://intermediates.basf.com>
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