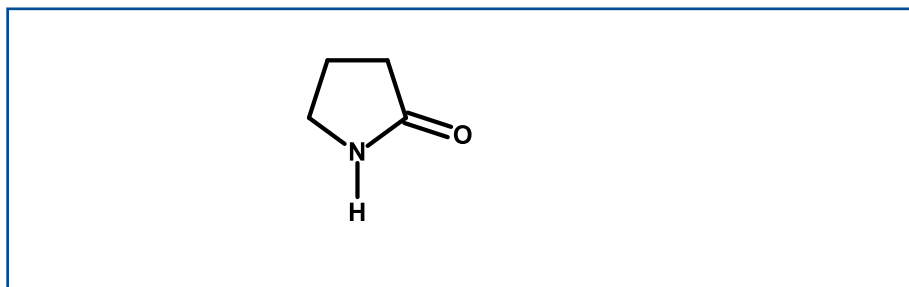

Technical Information

Kollisolv[®] PYR

2-Pyrrolidone

Chemical information

| | |
|------------------|----------------------------------|
| Chemical name | 2- Pyrrolidone |
| Chemical formula | C ₄ H ₇ NO |
| Molecular weight | 85.1 g/mol |
| CAS number | 616-45-5 |

Structural formula**Typical physical parameters**

| | |
|---------------|---------------------------------|
| Melting point | 25.5 °C |
| Boiling Point | 250 °C (1.1013 hPa) |
| Flash Point | 138 °C (DIN 51758, closed cup) |
| Density | 1.103 g/cm ³ (30 °C) |

Properties

Kollisolv® PYR is a colorless or slightly yellow liquid which solidifies at room temperature and has a characteristic odor. Darkening of the color of the product occurs over time, especially when stored at temperatures higher than 25 °C. Kollisolv® PYR is soluble in water and a number of organic solvents, e.g. ethanol, isopropyl alcohol and aromatic hydrocarbons.

Handling recommendation

Kollisolv® PYR needs to be homogenized prior use. Therefore, the product needs to be melted down by careful heating followed by gentle mixing. Appropriate tests showed after seven days at 50 °C no change in the analytical properties of the product.

Storage recommendation

Refer to the individual document quality and regulatory product information (QRPI), available on RegXcellence® and from your local BASF sales representative.

Stability

Refer to the individual document quality and regulatory product information (QRPI), available on RegXcellence® and from your local BASF sales representative.

Product Details:

| | |
|------------------------------|--|
| PRD number | 30555079 |
| Packaging and article number | 200 kg composite packaging, (ART 50254756) |
| Sample and article number | 0.5 kg glass bottle (ART 50259812) |
| Retest period | Refer to the individual document quality and regulatory product information (QRPI), available on RegXcellence® and from your local BASF sales representative. The QRPI document covers all relevant information including retest periods and storage conditions. |
| Handling and Safety | Refer to the safety data sheet (SDS) for instructions on safe and proper handling and disposal. SDS are available on request and are sent with every consignment. |
| Product Specification | The current version of the product specification is available on RegXcellence® and MyProductWorld™ or from your local BASF sales representative. |
| Regulatory and Quality | Refer to the individual document quality and regulatory product information (QRPI), available on RegXcellence® and from your local BASF sales representative. The QRPI document covers all relevant information including retest periods and storage conditions. |

Disclaimer

This document, or any information provided herein does not constitute a legally binding obligation of BASF and has been prepared in good faith and is believed to be accurate as of the date of issuance. Unless expressly agreed otherwise in writing in a supply contract or other written agreement between you and BASF:

(a) To the fullest extent not prohibited by the applicable laws, BASF EXPRESSLY DISCLAIMS ALL OTHER REPRESENTATIONS, WARRANTIES, CONDITIONS OR GUARANTEES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, WRITTEN OR ORAL, BY FACT OR LAW, INCLUDING ANY IMPLIED WARRANTIES, REPRESENTATIONS OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, NON-INFRINGEMENT, AND ANY REPRESENTATIONS, WARRANTIES, CONDITIONS OR GUARANTEES, ARISING FROM STATUTE, COURSE OF DEALING OR USAGE OF TRADE and BASF HEREBY EXPRESSLY EXCLUDES AND DISCLAIMS ANY LIABILITY RESULTING FROM OR IN CONNECTION WITH THIS DOCUMENT OR ANY INFORMATION PROVIDED HEREIN, including, without limitation, any liability for any direct, consequential, special, or punitive damages relating to or arising therefrom, except in cases of (i) death or personal injury to the extent caused by BASF's sole negligence, (ii) BASF's willful misconduct, fraud or fraudulent misrepresentation or (iii) any matter in respect of which it would be unlawful for BASF to exclude or restrict liability under the applicable laws;

(b) Any information provided herein can be changed at BASF's sole discretion anytime and neither this document nor the

information provided herein may be relied upon to satisfy from any and all obligations you may have to undertake your own inspections and evaluations;

(c) BASF rejects any obligation to, and will not, automatically update this document and any information provided herein, unless required by applicable law; and

(d) The user is responsible for confirming that the user has retrieved the most current version of this document from BASF as appropriate

© 2022 BASF

BASF – Nutrition & Health – www.pharma.basf.com/