

Safety data sheet

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BASF Safety data sheet

Date / Revised: 31.03.2023

Product: **Kollidon® 30 Origin Germany**

Version: 1.0

(30034974/SDS_GEN_AR/EN)

Date of print 17.10.2025

1. Substance/preparation and company identification

Kollidon® 30 Origin Germany

Major Recommended Uses:

Use: Polymer, pharmaceutical excipient

Company:

BASF Argentina S.A.

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2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

No need for classification according to GHS criteria for this product.

Label elements

According to UN GHS criteria

The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards

According to UN GHS criteria

Other Hazards (GHS):

The product is under certain conditions capable of dust explosion.

Assessment PBT / vPvB:

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

3. Composition/Information on Ingredients

Substances

Chemical nature

2-Pyrrolidinone, 1-ethenyl-, homopolymer
CAS Number: 9003-39-8

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

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.

On ingestion:

Rinse mouth and then drink 200-300 ml of water.

Note to physician:

Symptoms: (Further) symptoms and / or effects are not known so far

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-fighting measures

Suitable extinguishing media:

water spray, foam, dry powder, carbon dioxide

Specific hazards:

carbon dioxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

Further information:

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

Special protective equipment:

Wear a self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency measures

Personal precautions:

Avoid dust formation. Use personal protective clothing. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Sweep/shovel up.

For large amounts: Sweep/shovel up.

Dispose of absorbed material in accordance with regulations. Avoid raising dust.

Other relevant information: Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Avoid dispersal of dust in the air (e.g. by clearing dusty surfaces with compressed air).

7. Handling and storage

Handling

Technical measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing.

Fire and explosion protection:

The product is capable of dust explosion. Avoid dust formation. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame.

Precautions/ Advice on safe handling:

Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation.

Specific hygiene measures:

No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift. Store work clothing separately.

Storage

Further information on storage conditions: Keep container tightly closed and dry.

8. Exposure controls and personal protection

Specific control parameters

Components with occupational exposure limits:

No substance specific occupational exposure limits known.

Personal protective equipment

Eye protection:

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

Skin and 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).

Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. 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. Manufacturer's directions for use should be observed because of great diversity of types.

Respiratory protection:

Breathing protection if breathable aerosols/dust are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1)

9. Physical and chemical properties

State of matter:	solid (20 °C, 1.013 hPa)
Form:	powder
Colour:	white to cream
Odour:	almost odourless
pH value:	3 - 5 (10 %(m), 20 °C)
Specific temperatures or temperature ranges at which changes in physical state occur	
onset of melting:	131 °C The substance / product decomposes.
Boiling point:	not applicable
Flash point:	not applicable, the product is a solid

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Lower explosion limit: For solids not relevant for classification and labelling.

Upper explosion limit: For solids not relevant for classification and labelling.

Thermal decomposition: 400 °C, > 210 kJ/kg, (DSC (DIN 51007))

Self heating ability: It is a substance capable of spontaneous heating according to UN transport regulations class 4.2. Based on test results packaging < 3m³ are exempted from the classification.

SADT: Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.

Minimum ignition energy: 10 - 30 mJ (VDI 2263, sheet 1, 2.5)
 (1.013 hPa, 20 °C)
 Inductivity: 1 mH
 The product is capable of dust explosion.

Explosion hazard: Product is not explosive, however a dust explosion could result from an air / dust mixture.

Fire promoting properties: not fire-propagating

Vapour pressure: dropped

Relative vapour density (air): The product is a non-volatile solid.

Density: No information is available for the absolute density. Instead the bulk density was determined as a more relevant value.

Bulk density: 400 - 600 kg/m³

Relative density: No data available.

Solubility in water: fully soluble

Solubility (qualitative) solvent(s): organic solvents
 soluble

Partitioning coefficient n-octanol/water (log Pow): not determined

Hygroscopy: hygroscopic

Self-ignition temperature: No applicable information available.

Self ignition: No data available.

Odour threshold limit value: not determined

Evaporation rate: The product is a non-volatile solid.

Flammability: not highly flammable (VDI 2263, sheet 1, 1.1)

Viscosity, dynamic: No data available.

Viscosity, kinematic: not applicable, the product is a solid

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

10. Stability and reactivity

Reactivity:

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

Chemical stability:

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

Hazardous reactions:

Dust explosion hazard.

Conditions to avoid:

See SDS section 7 - Handling and storage. Avoid dust formation. Avoid electro-static charge.

Incompatible materials and substances:

strong alkalis

Hazardous decomposition products:

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

11. Toxicological information

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation.

LD50 rat(oral): > 2.000 mg/kg (BASF-Test)

LC50 rat (by inhalation): > 5,2 mg/l 4 h (OECD Guideline 403)

Local effects

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes.

Primary skin irritation rabbit: non-irritant (Draize test)

Eye irritation rabbit: non-irritant (Draize test)

Assessment other acute effects

Remarks: No data available.

Sensitization

Assessment of sensitization:

No data available.

Genetic toxicity

Assessment of mutagenicity:

The substance was not mutagenic in studies with mammals.

Carcinogenicity

Assessment of carcinogenicity:

In long-term animal studies in which the substance was given in high doses by feed, a carcinogenic effect was not observed.

Reproductive toxicity

Assessment of reproduction toxicity:

No data available.

Developmental toxicity

Assessment of teratogenicity:

No indications of a developmental toxic / teratogenic effect were seen in animal studies.

Repeated dose toxicity

Assessment of repeated dose toxicity:

No data available.

Aspiration Hazard

Assessment of Aspiration Hazard:

not applicable

12. Ecological information

Possible environmental effects, behaviour and fate

Ecotoxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish:

LC50 (96 h) > 10.000 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static)

Microorganisms/Effect on activated sludge:

EC20 (0,5 h) > 1.995 mg/l, activated sludge, industrial (OECD Guideline 209, aerobic)

Persistence and degradability

Assessment biodegradation and elimination (H₂O):
Poorly eliminated from water.

Elimination information:
< 10 % DOC reduction (15 d) (OECD Guideline 302 B) (aerobic, activated sludge, industrial) Poorly eliminated from water.

Bioaccumulation

Bioaccumulation potential:
Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Mobility

Assessment transport between environmental compartments:
No data available.

13. Disposal considerations

Methods for safe and environmentally preferred disposal
Product: Observe national and local legal requirements.

Product residues: Observe national and local legal requirements.

Contaminated packaging:
Uncontaminated packaging can be re-used.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport information

Land transport

Hazard Class:	4.2
Packing group:	III
UN Number:	3088
Hazard label:	4.2
Risk Number:	40
Proper Shipping Name:	SELF-HEATING SOLID, ORGANIC, N.O.S. (1-ETHENYL-2-PYRROLIDINONE, HOMOPOLYMER)

Waterway Transport

IMDG	
Hazard class:	4.2
Packing group:	III
UN Number:	3088

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Hazard label: 4.2
Marine pollutant: NO
Proper shipping name: SELF-HEATING SOLID, ORGANIC, N.O.S. (1-ETHENYL-2-PYRROLIDINONE, HOMOPOLYMER)

Air transport

IATA/ICAO
Hazard class: 4.2
Packing group: III
UN Number: 3088
Hazard label: 4.2
Proper shipping name: SELF-HEATING SOLID, ORGANIC, N.O.S. (1-ETHENYL-2-PYRROLIDINONE, HOMOPOLYMER)

Further information

Not dangerous goods of class 4.2 in packages up to 3000 litres capacity.

Additional Information

Classification of land transport generated according to the criteria of Resolution 64:2022.

15. Regulatory information

Other regulations

This SDS (Safety Data Sheet) is in accordance with the requirement of the Resolution 801/15 of the SRT

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

16. Other information

Any other intended applications should be discussed with the manufacturer. Corresponding occupational protection measurements must be followed.

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

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. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.