

Safety Data Sheet

Capromer PT1-05

Revision date : 2024/01/29
Version: 5.0

Page: 1/10
(30449822/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Capromer PT1-05

Recommended use of the chemical and restriction on use

Recommended use*: Chemical used in synthesis and/or formulation of industrial products
Recommended use*: Chemical

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: No data available.

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

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

Label elements

Safety Data Sheet

Capromer PT1-05

Revision date: 2024/01/29
Version: 5.0

Page: 2/10
(30449822/SDS_GEN_US/EN)

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

Hazards not otherwise classified

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.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut off value.

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

Keep patient calm, remove to fresh air.

If on skin:

Wash thoroughly with soap and water

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:

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

Most important symptoms and effects, both acute and delayed

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

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Extinguishing media

Safety Data Sheet

Capromer PT1-05

Revision date: 2024/01/29
Version: 5.0

Page: 3/10
(30449822/SDS_GEN_US/EN)

Suitable extinguishing media:
dry powder, foam, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
nitrogen oxides, carbon oxides
The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures, see section 8.
Avoid inhalation. Avoid contact with the skin, eyes and clothing.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Pick up with inert absorbent material (e.g. sand, earth etc.). Collect waste in suitable containers, which can be labeled and sealed.

7. Handling and Storage

Precautions for safe handling

Ensure thorough ventilation of stores and work areas. Personal protective equipment should be worn during open handling.

Protection against fire and explosion:

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE), Carbon steel (Iron)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Storage stability:

Storage temperature: < 30 °C

Storage duration: 24 Months

Safety Data Sheet

Capromer PT1-05

Revision date: 2024/01/29
Version: 5.0

Page: 4/10
(30449822/SDS_GEN_US/EN)

Protect against moisture.
Protect from temperatures above: 200 °C
The packed product will be damaged by high temperatures.

8. Exposure Controls/Personal Protection

No substance specific occupational exposure limits known.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) respirator as necessary. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:

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.

Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

In order to satisfy general industrial hygiene rules safety glasses with side-shields (e.g. EN 166) are recommended.

Body protection:

No body protection required if used for intended purpose and satisfying generally accepted industrial hygiene rules.

General safety and hygiene measures:

Eye wash fountains and safety showers must be easily accessible. Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation. Avoid contact with the skin, eyes and clothing. No eating, drinking, smoking or tobacco use at the place of work. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	liquid, viscous	
Odour:	moderate odour	
Odour threshold:	not determined	
Colour:	colourless to yellowish	
pH value:	7	
	Literature data.	
melting range:	0 - 10 °C	
	Literature data.	
Boiling point:	> 20 °C (2 hPa)	
Flash point:	218 °C	(other, closed cup)
Flammability:	not readily ignited	

Safety Data Sheet

Capromer PT1-05

Revision date: 2024/01/29
Version: 5.0

Page: 5/10
(30449822/SDS_GEN_US/EN)

Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	385 °C	
Vapour pressure:	Literature data. < 0.000001 hPa (20 °C) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.	
Density:	1.07 g/cm3 (55 °C)	
Relative density:	1.07 (55 °C) Literature data.	
Vapour density:	> 1 (20 °C) Heavier than air.	(estimated)
Partitioning coefficient n-octanol/water (log Pow):	2.4 (25 °C) Literature data.	(OECD Guideline 117)
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	not determined	
Viscosity, dynamic:	2,000 mPa.s (20 °C) Literature data. 509 mPa.s (40 °C) Literature data. 135 - 160 mPa.s (60 °C)	
Particle size:	not applicable	
Solubility in water:	insoluble	
Solubility (qualitative):	readily soluble solvent(s): organic solvents, aromatic hydrocarbons, chlorinated hydrocarbons,	
Molar mass:	approx. 540 g/mol	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	

10. Stability and Reactivity

Reactivity

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

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

not fire-propagating

Safety Data Sheet

Capromer PT1-05

Revision date: 2024/01/29
Version: 5.0

Page: 6/10
(30449822/SDS_GEN_US/EN)

Formation of
flammable gases:

Remarks:

Forms no flammable gases in the
presence of water.

Chemical stability

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

Possibility of hazardous reactions

No hazardous reactions known.

Conditions to avoid

Avoid heat.

Incompatible materials

acids, bases, strong oxidizing agents

Hazardous decomposition products

Decomposition products:

Possible thermal decomposition products: carbon monoxide, carbon, caprolactone

Thermal decomposition:
not determined

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single skin contact.

Oral

Type of value: LD50

Species: rat (male/female)

Value: > 2,000 mg/kg (Guideline 92/69/EEC, B.1)

No mortality was observed. Limit concentration test only (LIMIT test).

Dermal

Type of value: LD50

Species: rat

Value: 6,400 mg/kg (OECD Guideline 402)

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

Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Safety Data Sheet

Capromer PT1-05

Revision date: 2024/01/29
Version: 5.0

Page: 7/10
(30449822/SDS_GEN_US/EN)

Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

Skin

Species: rabbit
Result: non-irritant
Method: OECD Guideline 404

Eye

Species: rabbit
Result: non-irritant
Method: OECD Guideline 405

Sensitization

Assessment of sensitization: No sensitizing effect.

Mouse Local Lymph Node Assay (LLNA)

Species: mouse
Result: Non-sensitizing.
Method: OECD Guideline 429

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Based on available data, the classification criteria are not met.

Genetic toxicity

Assessment of mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity: Not classified, due to lack of data.

Reproductive toxicity

Assessment of reproduction toxicity: Based on available data, the classification criteria are not met.

Teratogenicity

Assessment of teratogenicity: Based on available data, the classification criteria are not met.

12. Ecological Information

Toxicity

Aquatic toxicity

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) 150 mg/l, Brachydanio rerio (OECD Guideline 203, semistatic)

Safety Data Sheet

Capromer PT1-05

Revision date: 2024/01/29
Version: 5.0

Page: 8/10
(30449822/SDS_GEN_US/EN)

Aquatic invertebrates

EC50 (48 h) > 900 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)
Nominal concentration.

Aquatic plants

EC50 (72 h) 490 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)
Nominal concentration.

No observed effect concentration (72 h) 113 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)
Nominal concentration.

Chronic toxicity to fish

No data available.

Chronic toxicity to aquatic invertebrates

No data available.

Assessment of terrestrial toxicity

No data available.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

other static

bacterium/No observed effect concentration (16 h): 670 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H2O)

Readily biodegradable (according to OECD criteria). Biodegradable.

Elimination information

77 % CO₂ formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

Assessment of stability in water

In contact with water the substance will hydrolyse slowly.

Information on Stability in Water (Hydrolysis)

$t_{1/2}$ > 12 h, < 10 % (pH value 4), (OECD Guideline 111, pH 4)

$t_{1/2}$ > 12 h, < 10 % (pH value 7), (OECD Guideline 111, pH 7)

approx. $t_{1/2}$ 16 h (pH value 9), (OECD Guideline 111, pH 9)

Bioaccumulative potential

Assessment bioaccumulation potential

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Bioaccumulation potential

No data available.

Safety Data Sheet

Capromer PT1-05

Revision date: 2024/01/29
Version: 5.0

Page: 9/10
(30449822/SDS_GEN_US/EN)

Mobility in soil

Assessment transport between environmental compartments
not determined

13. Disposal considerations

Waste disposal of substance:

Incinerate in suitable incineration plant, observing local authority regulations.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

NFPA Hazard codes:

Health: 1 Fire: 0 Reactivity: 0 Special:

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

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2024/01/29

Safety Data Sheet

Capromer PT1-05

Revision date: 2024/01/29
Version: 5.0

Page: 10/10
(30449822/SDS_GEN_US/EN)

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