

7. Handling and storage

Handling

Advices on safe handling: Handle in accordance with good industrial hygiene and

At processing: Provide adequate ventilation, and In
formation of aerosol/vapors. Avoid generation of
skin and eyes. Wear protective equipment. K
do not eat, drink or smoke.

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t with
sing

Precautions against fire and explosion:

Take standard precautions to prevent

Storage

Requirements for storerooms and containers:

Keep in a cool place. Keep
incompatible materials

Hints on joint storage:

Incompatible materials
Keep away from

8. F

Exposure guidelines

Occupational exposure limits

Type

USA: ACC

USA: A

US

the work area.
assing): Use local exhaust.

glasses in accordance with OSHA 29 CFR:

Skin

Wear suitable protective clothing.

g to OSHA Standard - 29 CFR: 1910.138.

ubber (0.11 mm)

+80 min.

manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection:

Respiratory protection is not necessary if room is well ventilated.

At processing:

When vapors form, use respiratory protection. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work. When using do not eat, drink or smoke.

At processing:

Avoid contact with skin, eyes, and clothing. Do not breathe vapors. Do not breathe dust.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: solid Color: varying
Odor:	odorless
Odor threshold:	no data available
pH value:	no data available
Melting point/freezing point:	no data available
Initial boiling point and boiling range:	no data available
Flash point/flash point range:	no data available
Evaporation rate:	no data available
Flammability:	This material is combustible, but will not ignite readily.
Explosion limits:	no data available
Vapor pressure:	no data available
Vapor density:	no data available
Density:	no data available
Water solubility:	at 68 °F: insoluble
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Thermal decomposition:	no data available
Additional information:	no data available

10. Stability and reactivity

Reactivity:	Refer to section: Possibility of hazardous reactions.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	No dangerous reactions with proper and specified storage and handling.
Conditions to avoid:	Keep away from heat. Protect from direct sunlight. Avoid generation of dust. Avoid the formation of aerosol/vapors.
Incompatible materials:	Strong bases, strong acids, strong oxidizing agents.
Hazardous decomposition products:	In case of fire may be liberated: Caprolactam, nitrogen oxides (NO _x), amines, carbon monoxide and carbon dioxide
Thermal decomposition:	no data available

11. Toxicological information

Toxicological tests

Toxicological effects: Acute toxicity (oral): Lack of data.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Lack of data.
Eye damage/irritation: Lack of data.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Lack of data.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Lack of data.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Lack of data.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Lack of data.

Other information: Toxic fumes may be emitted at elevated temperatures. Processing, e.g. by cutting, sawing or grinding, can produce particles and dust. Dust may irritate airways and cause bronchitis symptoms.
Information about Caprolactam: Harmful if swallowed. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Symptoms

In case of inhalation:
Inhalation of dust may cause irritation of the respiratory system. Overheating released mist or vapors can irritate the respiratory tracts.
Other symptoms: Cough, respiratory complaints, dizziness, nausea, vomiting.
After contact with skin: The melted product can cause severe burns.
After eye contact:
Process vapors can irritate the eyes. Dust contact with the eyes can lead to mechanical irritation.

12. Ecological information

Ecotoxicity

Effects in sewage plants: The insoluble part can be precipitated mechanically in suitable sewage treatment plants.

Mobility in soil

no data available

Persistence and degradability

Further details: Product is not biodegradable.

Additional ecological information

General information: Do not allow to penetrate into soil, waterbodies or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation. Recycling or special waste incineration.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not controlled under DOT

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: No

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - Great Britain

Hazchem-Code: -

16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change: General revision

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.