


## 1 Identification of the substance / preparation and of the company

### EpoxiCure NC, Hardener Article number: 20-8152-008

<b>Use:</b>	See product information.
<b>Identified use:</b>	none
<b>Method of operation:</b>	See product information.
<b>Company:</b>	Buehler GmbH In der Steele 2 D-40599 Düsseldorf / GERMANY Phone: 0800 707 6273 Fax: 0800 707 6274 Homepage: <a href="http://www.buehler-met.de/en/">www.buehler-met.de/en/</a> E-mail: <a href="mailto:sales@buehler.co.uk">sales@buehler.co.uk</a>
<b>Emergency phone:</b>	0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100
<b>Responsible:</b>	Schroeder@chemiebuero.de

## 2 Hazards identification

<b>Physico-chemical hazards:</b>	See chapter 10.
<b>Other hazards:</b>	none
<b>Hazard symbols:</b>	 Irritant
<b>R-phrases:</b>	R 36/38: Irritating to eyes and skin. R 43: May cause sensitisation by skin contact.

## 3 Composition / Information on ingredients

Range [%]	Substance
10 - < 25	Triethylenetetramine
	CAS: 112-24-3, EINECS/ELINCS: 203-950-6 EU-INDEX: 612-059-00-5 ECB-Nr.:
	GHS/CLP: Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3, H312, H314, H317, H412
	EEC: C, R21-34-43-52/53

**Comment on component parts:** Substances of Very High Concern - SVHC: substances are not contained or below 0,1%.  
For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

<b>General information:</b>	Change soaked clothing.
<b>Inhalation:</b>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<b>Skin contact:</b>	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact:</b>	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
<b>Ingestion:</b>	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.
<b>Advice to doctor:</b>	Treat symptomatically.

## 5 Fire-fighting measures

<b>Suitable extinguishing media:</b>	Water spray jet. Foam. Dry powder. Carbon dioxide.
<b>Extinguishing media that must not be used:</b>	Full water jet.
<b>Special exposure hazards arising from the substance or preparation itself or combustion products:</b>	Unknown risk of formation of toxic pyrolysis products.
<b>Special protective equipment for firefighters:</b>	Use self-contained breathing apparatus.
<b>Additional information:</b>	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 6 Accidental release measures

<b>Personal precautions:</b>	High risk of slipping due to leakage/spillage of product.
<b>Environmental precautions:</b>	Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.
<b>Methods for cleaning up:</b>	Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance with the regulations.

## 7 Handling and storage

<b>Advice on safe handling:</b>	Use only in well-ventilated areas.
<b>Advice on protection against fire and explosion:</b>	No special measures necessary.
<b>Requirements for storage rooms and vessels:</b>	Keep only in original container.
<b>Advice on storage compatibility:</b>	Do not store together with oxidizing agents.
<b>Further information on storage conditions:</b>	Keep container tightly closed. Store in a dry place.

## 8 Exposure controls / personal protection

<b>Additional advice on system design:</b>	Ensure adequate ventilation on workstation.
<b>Ingredients with occupational exposure limits to be monitored: (GB)</b>	not applicable
<b>Respiratory protection:</b>	not applicable
<b>Hand protection:</b>	Butyl rubber, >480 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Eye protection:</b>	Safety glasses.
<b>Skin protection:</b>	Light protective clothing of plastic material.
<b>General protective measures:</b>	Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.
<b>Hygiene measures:</b>	Do not eat, drink, smoke or take drugs at work. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Use barrier skin cream.
<b>Delimitation and monitoring of the environmental exposition:</b>	not determined

## 9 Physical and chemical properties

Form:	liquid
Color:	yellowish
Odor:	characteristic
pH-value:	not applicable
pH-value [1%]:	not applicable
Boiling point [°C]:	138
Flash point [°C]:	135
Flammability [°C]:	not determined
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Oxidizing properties:	no
Vapour pressure [kPa]:	<0,013 (20°C)
Density [g/ml]:	1,009 (20°C / 68,0°F)
Bulk density [kg/m³]:	not applicable
Solubility in water:	immiscible
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	not applicable
Relative vapour density determined in air:	> 1
Evaporation speed:	< 1
Melting point [°C]:	not determined
Autoignition temperature [°C]:	not determined
Decomposition temperature:	not determined

## 10 Stability and reactivity

Hazardous reactions:	Reactions with oxidizing agents. Reactions with strong acids and alkalis.
Hazardous decomposition products:	No hazardous decomposition products known.

## 11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	Irritant
Irritant effect on skin:	Irritant
Sensitization:	Sensitizing.
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	The product was classified on the basis of toxicological datas.

## 12 Ecological information

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	not determined
COD:	not determined
BOD 5:	not determined
AOX-advice:	not applicable
2006/11/EC:	not applicable
General information:	No classification on the basis of the calculation procedure of the preparation directive.


**13 Disposal considerations**

<b>Product:</b>	Disposal in an incineration plant in accordance with the regulations of the local authorities. Coordinate disposal with the authorities if necessary.
<b>Contaminated packaging:</b>	Packaging that cannot be cleaned should be disposed of as for product. Uncontaminated packaging may be taken for recycling.
<b>Waste no. (recommended):</b>	080409*

**14 Transport information**

<b>Classification according to ADR:</b>	NO DANGEROUS GOODS
<b>Classification according to IMDG:</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"
<b>Classification according to IATA:</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"

**15 Regulatory information**

<b>Exposure scenario:</b>	not determined
<b>Chemical safety report:</b>	not determined
<b>Labelling:</b>	The product is classified and labelled in accordance within EC-directives.
<b>Hazard symbols:</b>	 Irritant
<b>Contains:</b>	Polyamide Triethylenetetramine
<b>R-phrases:</b>	R 36/38: Irritating to eyes and skin. R 43: May cause sensitisation by skin contact.
<b>S-phrases:</b>	S 24/25: Avoid contact with skin and eyes. S 28.2: After contact with skin, wash immediately with plenty of water and soap. S 37: Wear suitable gloves.
<b>Special labelling:</b>	none
<b>EEC-REGULATIONS:</b>	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EWG (2008/47/EG
<b>TRANSPORT-REGULATIONS:</b>	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).
<b>NATIONAL REGULATIONS (GB):</b>	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4
<b>Authorisation, TITEL VII:</b>	not applicable
<b>Restrictions, TITEL VIII:</b>	not applicable

**16 Other informations**

<b>R-phrases (Chapter 03):</b>	R 21: Harmful in contact with skin. R 34: Causes burns. R 43: May cause sensitisation by skin contact. R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Hazard statements (Chapter 03):</b>	H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
<b>Observe employment restrictions for people:</b>	yes
<b>VOC (1999/13/CE):</b>	0%

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.  
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