

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

### 1.1 Product identifier

**Pigment Blue**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Pigment for epoxy resins

### 1.3 Details of the supplier of the safety data sheet

<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>Responsible</b>	Schroeder@chemiebuero.de

### 1.4 Emergency phone

0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

not applicable

#### 2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

Xi-N, R 43-51/53-36/38

### 2.2 Label elements

#### Hazard symbols



Irritant



Dangerous for the environment

#### Contains

Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Reaction product: bisphenol-A-(epichlorhydrin) Epoxy resin (number average molecular weight ≤ 700)

#### R-phrases

R 36/38: Irritating to eyes and skin.

R 43: May cause sensitisation by skin contact.

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### S-phrases

S 24/25: Avoid contact with skin and eyes.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28.2: After contact with skin, wash immediately with plenty of water and soap.

S 29/35: Do not empty into drains. Dispose of this material and its container in a safe way.

S 37: Wear suitable gloves.

#### Special labelling

Contains epoxy-containing compounds. Observe manufacturer's instructions.

### 2.3 Other hazards

#### Physico-chemical hazards

No particular hazards known.

#### Other hazards

Further hazards were not determined with the current level of knowledge.

## 3 Composition / Information on ingredients

### 3.1 Substances

The product in question is a mixture.

**3.2 Mixtures**

Range [%]	Substance
60 - <100	Reaction product: bisphenol-A-(epichlorhydrin) Epoxy resin (number average molecular weight ≤ 700 CAS: 25068-38-6, EINECS/ELINCS: 500-033-5 EU-INDEX: 603-074-00-8 ECB-Nr.: GHS/CLP: Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1, H317 - Aquatic Chronic 2, H411 EEC: Xi-N, R36/38-43-51/53
5 - 10	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS: 68609-97-2, EINECS/ELINCS: 271-846-8 EU-INDEX: 603-103-00-4 ECB-Nr.: GHS/CLP: Skin Irrit. 2, H315 - Skin Sens. 1, H317 EEC: Xi, R38-43

**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****4.1 Description of 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.

**4.2 Most important symptoms and effects, both acute and delayed**

not determined

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5 Fire-fighting measures****5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	Water spray jet. Dry powder. Carbon dioxide. Foam.
<b>Extinguishing media that must not be used</b>	Full water jet.

**5.2 Special hazards arising from the substance or mixture**

Unknown risk of formation of toxic pyrolysis products.

**5.3 Advice for firefighters**

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**6 Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

High risk of slipping due to leakage/spillage of product.

**6.2 Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.

**6.3 Methods and material for containment and cleaning up**

Take up mechanically.  
Take up residues with absorbent material (e.g. sand).  
Dispose of absorbed material in accordance with the regulations.

**6.4 Reference to other sections**

See Chapter 8+13

**7 Handling and storage****7.1 Precautions for safe handling**

No special measures necessary if used correctly.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep only in original container.

Do not store together with oxidizing agents.

Keep container tightly closed.

Keep container in a well-ventilated place.

Keep in a cool place.

**7.3 Specific end use(s)**

See product use, Chapter 1.2

**8 Exposure controls / personal protection****8.1 Control parameters**

not applicable

**8.2 Exposure controls****Additional advice on system design** Ensure adequate ventilation on workstation.**Eye protection** Safety glasses.**Hand protection** Butyl rubber, >120 min (EN 374).  
The details concerned are recommendations. Please contact the glove supplier for further information.**Skin protection** Light protective clothing of plastic material.**Other** 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.

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.

**Respiratory protection** not applicable**Thermal hazards** not applicable**Delimitation and monitoring of the environmental exposition** See Chapter 6+7.

**9 Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form	viscous
Color	blue
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	216-304
Flash point [°C]	93
Flammability [°C]	not determined
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	no
Vapour pressure [kPa]	not determined
Density [g/ml]	1,10 (20°C / 68,0°F)
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not determined
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not applicable
Decomposition temperature	not determined

**9.2 Other information**

none

**10 Stability and reactivity****10.1 Reactivity**

No dangerous reactions known if used as directed.

**10.2 Chemical stability**

The product is stable under standard conditions.

**10.3 Possibility of hazardous reactions**

Reactions with oxidizing agents.

**10.4 Conditions to avoid**

See chapter 7.2.

**10.5 Incompatible materials**

not determined

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Reaction product: bisphenol-A-(epichlorhydrin) Epoxy resin (number average molecular weight  $\leq$  700, CAS: 25068-38-6

LD50, oral, Rat: 13600 mg/kg

Oxirane, mono[(C12-14-alkyloxy)methyl] derivs., CAS: 68609-97-2

LD50, oral, Rat: 19200 mg/kg

LD50, dermal, Rabbit: > 4500 mg/kg

Serious eye damage/irritation not determined

Skin corrosion/irritation not determined

Respiratory or skin sensitisation not determined

STOT-single exposure not determined

STOT-repeated exposure not determined

Mutagenicity not determined

Reproduction toxicity not determined

Carcinogenicity not determined

#### General remarks

The product was classified on the basis of the calculation procedure of the preparation directive.

## 12 Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

not determined

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability not determined

### 12.3 Bioaccumulative potential

not determined

### 12.4 Mobility in soil

not determined

### 12.5 Results of PBT and vPvB assessment

not applicable

### 12.6 Other adverse effects

The product contains organically bound halogen in accordance with the formulation.

## 13 Disposal considerations

### 13.1 Waste treatment methods

Coordinate the waste disposal with the national authorities.

#### Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended)

080409\*

#### Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.  
Uncontaminated packaging may be taken for recycling.

Waste no. (recommended)

150102

## 14 Transport information

### 14.1 UN number

See point 14.2 in accordance with UN shipping name

### 14.2 UN proper shipping name

#### Classification according to ADR

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy resin) 9 N III

#### - Classification Code

M6

#### - Label



#### - ADR LQ

5 I

#### - ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

#### Classification according to IMDG

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy resin) 9 III  
MARINE POLLUTANT

#### - EMS

F-A, S-F

#### - Label



#### - IMDG LQ

5 I

#### Classification according to IATA

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy resin) 9 III

#### - Label



### 14.3 Transport hazard class(es)

See point 14.2 in accordance with UN shipping name

### 14.4 Packing group

See point 14.2 in accordance with UN shipping name

### 14.5 Environmental hazards

See point 14.2 in accordance with UN shipping name



### 14.6 Special precautions for user

Relevant information under points 6 to 8.

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not determined

## 15 Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EEC-REGULATIONS

1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

#### TRANSPORT-REGULATIONS

DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2011).

#### NATIONAL REGULATIONS (GB):

EH40/2005 Workplace exposure limits with amendments October 2007.  
CHIP 3/ CHIP 4

### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

**16 Other informations**

<b>R-phrases (Chapter 03)</b>	R 36/38: Irritating to eyes and skin. R 43: May cause sensitisation by skin contact. R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R 38: Irritating to skin.
<b>Hazard statements (Chapter 03)</b>	H319 Causes serious eye irritation. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H411 Toxic 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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