

Internal number: 50433090

Page: 1 / 6

Issued: 21.7.2011

Revision:

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Name of the product: **CHS-EPOXY 160**

Product identifier: unmodified solid epoxy resin

Registration Number of the substance: polymer

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

Identified uses: For the manufacture of powder coatings or in solution as coating material.

Uses advised against: There are no uses advised against identified

1.3. Details of the supplier of the safety data sheet

Company/undertaking:

Spolek pro chemickou a hutní výrobu, akciová společnost
Revoluční 1930/86, Ústí nad Labem 400 32, Czech Republic
Tel: +420 477 161 111 Fax.: +420 477 163 333
Responsible person: msds@spolchemie.cz

1.4. Emergency telephone number

CZ: +420 477 162 094 / EN: +420 476 709 826 non-stop service

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

According to 1272/2008/EC: Product is not classified as dangerous.

According to 67/548/EEC, 1999/45/EC: Product is not classified as dangerous.

Hazards to man and the environment: not determined

Full text of H, EUH, P, R and S- Phrases is listed in point 16.

2.2. Label elements

Product is not classified as dangerous.

CAS: 25036-25-3

Index: -

Contents: Poly(Bisphenol A-co-epichlorohydrin) glycidyl end-capped (MW > 1200)

Obligatory phrasing: not determined

2.3. Other hazards

PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulative non toxic (PBT).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Identifier	CAS/ EINECS/ Registration number	Classification 67/548/EHS	Classification 1272/2008/ES	Content %
Poly(Bisphenol A-co-epichlorohydrin) glycidyl end-capped (MW > 1200)	25036-25-3/ -/ polymer	neklasifikován	neklasifikován	100

Full text of H, EUH, P, R and S- Phrases is listed in point 16.

Internal number: 50433090
Issued: 21.7.2011

Page: 2 / 6
Revision:

4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

After inhalation: Remove victim to fresh air, and remove impregnated clothing (change clothing). Seek medical advice.
After skin contact: Remove soiled clothing and rinse affected area with clear warm (30-32°C) water as intensively as possible.
After eye contact: Rinsing should be undertaken at the earliest possible time with water jet, and for a sufficiently long time, but for at least 20 minutes; obtain medical attention and continue rinsing also while transporting victim.
After ingestion: Wash out mouth with water. Obtain medical attention without delay. DO NOT INDUCE VOMITING.

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

not determined

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water fog, dry chemical media, carbon dioxide, foam.

Extinguishing media to be avoided: High pressure water jet.

5.2. Special hazards arising from the substance or mixture

Burning produces oxides of carbon, aldehydes, acids and unidentified mixtures of organic compounds.

5.3. Advice for firefighters

Do not enter confined fire space without adequate protective clothing and an approved positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Protective clothing including eye, respiratory passages and hand protection.

6.2. Environmental precautions

Avoid release of product or components to the environment, sewers and surface water or soil.

6.3. Methods and material for containment and cleaning up

Sweep-up spilled product. Place into a container and dispose of at hazardous chemical waste collection point or by incineration in an approved incineration unit.

6.4. Reference to other sections

Additional advice : Refer to section 8, 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Observe working instructions. Ensure good ventilation and local exhaustion at the workplace. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Store in closed storerooms. Keep away from sources of ignition and other kinds of substances. Store in the original containers kept tightly closed. Storerooms should be well-ventilated, dry, provided with a source of drinking water supply. Storage temperature should be kept between +5 and +25 °C. Prevent access of unauthorised personnel.

7.3. Specific end use(s)

Internal number: 50433090
Issued: 21.7.2011

Page: 3 / 6
Revision:

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters

No effect known.

8.2. Exposure controls

8.2.1 Appropriate engineering controls

Local exhaust recommended.

8.2.2 Occupational exposure controls

Respiratory protection: Respirator.
Hand protection: Protective rubber gloves.
Eye / face protection: Safety goggles or safety shield.
Skin protection: Twilled fabric clothing, footwear.

8.2.3 Environmental exposure controls

Avoid release of product or components to the environment, sewers and surface water or soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State:	Solid.
Colour:	Yellowish.
Odour:	Odourless.
pH:	not determined
Boiling point / boiling range (°C):	not determined
Melting point / freezing point (°C):	78-88
Flash point (°C):	> 200
Flammability (solid, gas):	
Explosive properties:	Not explosive.
Oxidising properties:	not determined
Vapour pressure:	not determined
Relative density (g/cm³):	1,150 (20°C)
Solubility:	not determined
Water solubility (g/l):	Insoluble.
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature (°C):	not determined
Viscosity:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
Other information:	not determined

9.2. Other information

Miscibility:	Soluble in acetone, methyl ethyl ketone and glycol ethers.
Fat solubility (oil to be specified):	Insoluble.
Conductivity:	not determined
Gas group:	not determined

10. STABILITY AND REACTIVITY

10.1. Reactivity

not determined



TÜV Rheinland®
COTI
ISO 9001
ISO 14001
BS OHSAS 18001

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Internal number: 50433090

Issued: 21.7.2011

Page: 4 / 6

Revision:

10.2. Chemical stability

not determined

10.3. Possibility of hazardous reactions

not determined

10.4. Conditions to avoid

High temperatures, static discharges.

10.5. Incompatible materials

Strong oxidising materials, strong Lewis or mineral acids, strong mineral and organic bases.

10.6. Hazardous decomposition products

Oxides of carbon, aldehydes, acids and unidentified mixtures of organic compounds.

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Akute toxicity:

Skin corrosion/irritation:

Serious eye damage/irritation:

Respiratory or skin sensitisation:

Mutagenicity:

Carcinogenicity:

Reproductive toxicity:

STOT- single exposure:

STOT- repeated exposure:

Aspiration hazard:

Other information

12. ECOLOGICAL INFORMATION**12.1. Toxicity**

LC 50 (96 h, fish, mg/l): not determined

EC 50 (48 h, daphnia, mg/l): not determined

IC 50 (72 h, algae, mg/l): not determined

Other hazards:

WGK: non-hazardous

12.2. Persistence and degradability

The product is with difficulty biodegradable.

COD: not determined

BOD5: not determined

12.3. Bioaccumulative potential

not determined

12.4. Mobility in soil

not determined

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulative non toxic (PBT).

Internal number: 50433090

Issued: 21.7.2011

Page: 5 / 6

Revision:

12.6. Other adverse effects

No effect known.

13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Residues (waste of category O, waste code 08 04 10) should be placed into impervious containers and rendered harmless either by Waste of category O, waste type code 15 01 02. Plastic bags should be buried in approved landfills or incinerated in suitable incinerator. Handling with wastes is regulated by Council Directive 75/442/EEC of 15 July 1975 on waste and Council Directive 91/689/EEC of 12 December 1991 on hazardous waste.

Handling with wastes is regulated by Czech law 185/2001 Sb.

14. TRANSPORT INFORMATION**14.1. UN number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 14.4. Packing group**

, This product is not classified as dangerous goods under the provisions of ADR/RID for the Transport of Dangerous Goods by Road and Rail., unmodified solid epoxy resin, ,

**14.5. Environmental hazards****14.6. Special precautions for user**

Remarks:

EmS:

Other transport information: This product is not classified as dangerous goods under the provisions of ADR/RID, IMDG and IATA.

Tunnel restriction codes:

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

not applicable

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

Internal number: 50433090
Issued: 21.7.2011

Page: 6 / 6
Revision:

Directive 2008/68/EC of the European Parliament and of the Council of 24 September 2008 on the inland transport of dangerous goods.

Council Directive 1999/13/EC of 11 March 1999 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations.

Council Directive 89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work.

Other regulatory information:

not determined

15.2. Chemical safety assessment

is not required

16. OTHER INFORMATION

H, EUH, P, R, S - Phrases wording

Additional information

TSCA : All components listed.
INV (CN) : All components listed.
AICS : All components listed.
DSL : All components listed.
ENCS (JP) : All components listed.
KECI (KR) : All components listed.
PICCS (PH) : All components listed.
EINECS : All components listed or polymer exempt.

Revision data

Changes made in accordance with Regulation (EC) No 1272/2008 and Regulation (EC) No 453/2010 .