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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Name of the product: **CHS-EPOXY 171**

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: +420 476 163 111 non-stop service

Listing of national helpdesks at: [http://echa.europa.eu/help/nationalhelp\\_contact\\_en.asp](http://echa.europa.eu/help/nationalhelp_contact_en.asp).

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Product is not classified as dangerous.

Hazards to man and the environment: Not determined.

Full text of classification and text of H, EUH and P - Phrases is listed in section 16 this SDS.

### 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 &gt; 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).

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Identifier                                                           | CAS/<br>EINECS/<br>Registration number | Classification<br>1272/2008/ES | Content<br>% | Note |
|----------------------------------------------------------------------|----------------------------------------|--------------------------------|--------------|------|
| Poly(Bisphenol A-co-epichlorohydrin) glycidyl end-capped (MW > 1200) | 25036-25-3/<br>-/<br>polymer           | -                              | > 95         | -    |

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Full text of classification and text of H, EUH and P - Phrases is listed in section 16 this SDS.

## SECTION 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).

In a life threatening condition soon carry out resuscitation affected and seek medical advice.

Respiratory arrest: immediately administer artificial respiration.

Cardiac arrest: immediately perform indirect heart massage.

Unconsciousness: place patient in recovery position.

**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.

## SECTION 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.

## SECTION 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.

## SECTION 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.

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**7.3. Specific end use(s)**

Store separately from oxidizing agents.

**SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION****8.1. Control parameters**

Not determined.

**8.2. Exposure controls****8.2.1 Appropriate engineering controls**

Local exhaustion 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.

**SECTION 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):    | 87-97           |
| Flash point (°C):                       | > 200           |
| Flammability (solid, gas):              |                 |
| Explosive properties:                   | Not explosive.  |
| Oxidising properties:                   | Not determined. |
| Vapour pressure:                        | Not determined. |
| Density (g/cm <sup>3</sup> ):           | 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.                                            |

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Not determined.

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**10.2. Chemical stability**

Stable under recommended conditions of storage and handling of the product.

**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.

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

|                                           |                                                                   |
|-------------------------------------------|-------------------------------------------------------------------|
| <b>Acute toxicity:</b>                    | Based on available data, the classification criteria are not met. |
| <b>Skin corrosion/irritation:</b>         | Based on available data, the classification criteria are not met. |
| <b>Serious eye damage/irritation:</b>     | Based on available data, the classification criteria are not met. |
| <b>Respiratory or skin sensitisation:</b> | Based on available data, the classification criteria are not met. |
| <b>Mutagenicity:</b>                      | Based on available data, the classification criteria are not met. |
| <b>Carcinogenicity:</b>                   | Based on available data, the classification criteria are not met. |
| <b>Reproductive toxicity:</b>             | Based on available data, the classification criteria are not met. |
| <b>STOT- single exposure:</b>             | Based on available data, the classification criteria are not met. |
| <b>STOT- repeated exposure:</b>           | Based on available data, the classification criteria are not met. |
| <b>Aspiration hazard:</b>                 | Based on available data, the classification criteria are not met. |

**Other information**

CARCINOGEN STATUS: IARC: NR; NTP: NR; OSHA: NR

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

Not determined.

**Other hazards:**

WGK: non-hazardous.

**12.2. Persistence and degradability**

The product is with difficulty biodegradable.

**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).

**12.6. Other adverse effects**

No effect known.

**SECTION 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

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combustion in suitable incinerators for industrial waste, or disposed of at a licensed waste disposal facility.

Waste of category O, waste type code 15 01 02. Plastic bags should be buried in approved landfills or incinerated in suitable incinerator units for industrial waste.

Handling with wastes is regulated by Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

## SECTION 14: TRANSPORT INFORMATION

**14.1. UN number:** -

**14.2. UN proper shipping name:**

ADR/RID: Not classified as dangerous goods under ADR/RID.

IMDG: Not classified as dangerous goods under IMDG.

**14.3. Transport hazard class(es):** -

**14.4. Packing group:** -

**14.5. Environmental hazards**

ADR/RID: No.

IMDG: No.

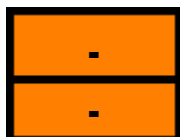
**14.6. Special precautions for user**

Not applicable.

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

Not applicable.

### Other information



**Classification code:** -

**Note:**

**Tunnel restriction codes:** -

**EmS:**

## SECTION 15: REGULATORY INFORMATION

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

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.

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

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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.

**SECTION 16: OTHER INFORMATION****Full wording of H, EUH, P - Phrases****Used abbreviations**

WGK: Wassergefährdungsklasse (water hazard class)

PBT: Persistent, bioaccumulative and toxic substance.

vPvB: Very persistent and very bioaccumulative substance

**Classification methods**

Not applicable.

**Sources of data**

List of hitherto classified dangerous substances. Internet database of chemical substances. Safety data sheets of raw materials.

**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.

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Not a hazardous waste under RCRA (40 CFR 261).

This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

Pennsylvania Right-to-Know: Not on Pennsylvania Hazardous Substance List

**Training guidelines**

Those who manipulate with the product must be demonstrably informed of its dangerous properties, principles of protecting the environment and health from its harmful effects and principles of first aid.

**Revision data**

01.03.2012 Changes made in accordance with Regulation (EC) No 1272/2008 and Regulation (EC) No 453/2010 .

08.01.2016 Information in section 16. added.