

Printing date 10/07/2019

Reviewed on 02/27/2019

## 1 Identification

### Product identifier

Trade name: **EPOTEC YD 013**

CAS Number:

25036-25-3

Application of the substance / the mixture Resin for can and coil coating

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

NO. 29/1 MOO 5 SOI KRATUMLOM 26, BUDDHAMONTHON 4 RD.,

KRATUMLOM, SAMPRAN, NAKORNPATHEM, POSTCODE 73220, THAILAND.

TEL. 66 (0) 2420-3370, 0-2420-9011

FAX. 66 (0) 2813-1817

## 2 Hazard(s) identification

### Classification of the substance or mixture

The substance is not classified, according to the Globally Harmonized System (GHS).

### Label elements

GHS label elements Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Classification system:

NFPA ratings (scale 0 - 4)



Health = 1

Fire = 0

Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = 1

Fire = 0

Reactivity = 0

### Other hazards

Results of PBT and vPvB assessment Not applicable.

PBT: Not applicable.

vPvB: Not applicable.

## 3 Composition/information on ingredients

### Chemical characterization: Substances

CAS No. Description

25036-25-3 Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight > 700)

Identification number(s) EC No. -

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Additional information: 100 %

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### 4 First-aid measures

#### Description of first aid measures

**General information:** Immediately remove any clothing soiled by the product.

#### After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.

#### Information for doctor:

**Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

### 5 Fire-fighting measures

#### Extinguishing media

#### Suitable extinguishing agents:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

Use fire fighting measures that suit the environment.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**Special hazards arising from the substance or mixture** No further relevant information available.

#### Advice for firefighters

**Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

#### Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

#### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

#### Protective Action Criteria for Chemicals

##### PAC-1:

12 mg/m<sup>3</sup>

##### PAC-2:

130 mg/m<sup>3</sup>

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**PAC-3:**

790 mg/m<sup>3</sup>

## 7 Handling and storage

### Handling:

**Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

**Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.

### Conditions for safe storage, including any incompatibilities

#### Storage:

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Information about storage in one common storage facility:**

Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.

**Further information about storage conditions:**

Keep receptacle tightly sealed.

Store receptacle in a well ventilated area.

**Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

### Control parameters

**Components with limit values that require monitoring at the workplace:** Not required.

**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment:

##### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

##### Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Use suitable respiratory protective device in case of insufficient ventilation.

##### Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

##### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

##### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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**Eye protection:**  
Safety glasses

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Tightly sealed goggles

**Body protection:** Protective work clothing

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

##### Appearance:

<b>Form:</b>	Flakes
<b>Color:</b>	Light yellow
<b>Odor:</b>	Odorless

#### Change in condition

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined

<b>Flash point:</b>	Not applicable
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<b>Danger of explosion:</b>	Product does not present an explosion hazard.
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<b>Density at 25 °C (77 °F):</b>	1.16-1.18 g/cm <sup>3</sup> (9.6802-9.8471 lbs/gal)
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#### Solubility in / Miscibility with

<b>Water:</b>	Insoluble.
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<b>Other information</b>	No further relevant information available.
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## 10 Stability and reactivity

**Reactivity** No further relevant information available.

#### Chemical stability

#### Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

**Possibility of hazardous reactions** Reacts with alcohols, amines, aqueous acids and alkalis.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** Acids, bases, amines and oxidizing agent.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide

## 11 Toxicological information

CAS: 25036-25-3 Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight > 700)

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

### Information on toxicological effects

#### Acute toxicity:

**LD/LC50 values that are relevant for classification:** Acute dermal toxicity: LD50, rat, intravenous, 115 mg/kg

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**Primary irritant effect:**

**on the skin:** Irritant to skin and mucous membranes.

**on the eye:** Irritating effect.

**Sensitization:** Sensitization possible through skin contact.

**Additional toxicological information:**

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)**

Substance is not listed.

**NTP (National Toxicology Program)**

Substance is not listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

### 12 Ecological information

**Toxicity**

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

**Behavior in environmental systems:**

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**Results of PBT and vPvB assessment** Not applicable.

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

### 13 Disposal considerations

**Waste treatment methods**

**Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packagings:**

**Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

**UN-Number**

DOT, ADR/RID/ADN, ADN, IMDG, IATA      Void

**UN proper shipping name**

DOT, ADR/RID/ADN, ADN, IMDG, IATA      Void

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CHEMICALS &amp; DYESTUFFS

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<b>Transport hazard class(es)</b>	
DOT, ADR/RID/ADN, ADN, IMDG, IATA Class	Void
<b>Packing group</b>	
DOT, ADR/RID/ADN, IMDG, IATA	Void
<b>Environmental hazards:</b>	Not applicable.
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	
Not applicable.	
<b>Transport/Additional information:</b>	
<b>ADR/RID/ADN</b>	
<b>Remarks:</b>	Not regulated for transport.
<b>IMDG</b>	
<b>Remarks:</b>	Not regulated for transport.
<b>IATA</b>	
<b>Remarks:</b>	Not regulated for transport.

**15 Regulatory information**

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

**Section 313 (Specific toxic chemical listings):**

Substance is not listed.

**TSCA (Toxic Substances Control Act):**

GHS label elements Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

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.

**Department issuing SDS:** opup**Contact:** E-mail : pichit-s@polychem-co.com**Date of preparation / last revision** 10/07/2019 / -**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit

US