

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

# SAFETY DATA SHEET

# FOR INDUSTRIAL USE ONLY

**EPIKURE**<sup>™</sup> Curing Agent MGS RIMH 137 KANNE 25KG

# **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1 Product identifier

Product name : EPIKURE™ Curing Agent MGS RIMH 137 KANNE 25KG

**SDS Number** : 16S-00019

Product type : Curing Agent

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

Product use Epoxy Resin Systems

1.3 Details of the supplier of the safety data sheet

**Manufacturer, importer, supplier**: Hexion B.V.

Seattleweg 17

3195 ND Pernis - Rotterdam

The Netherlands

Contact person 4information@momentive.com

**Telephone** General Information:

+31 6 52 511079

1.4 Emergency telephone number

**Supplier** 

**Telephone number**: CARECHEM24

+44(0)1235 239 670

# **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

# Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xn, R21/22

C, R34 R43 R52/53

Physical/chemical hazards

Not applicable.

Human health hazards : Harmful in contact with skin and if swallowed. Causes burns. May

cause sensitization by skin contact.

Environmental hazards : Harmful to aquatic organisms, may cause long-term adverse effects

in the aquatic environment.

See Section 16 for the full text of the R phrases or H statements declared above.

### 2.2 Label elements

Hazard symbol or symbols

In white

**Indication of danger** : Corrosive

**Risk phrases** : R21/22-Harmful in contact with skin and if swallowed.

R34-Causes burns.

R43-May cause sensitization by skin contact.

R52/53-Harmful to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

**Safety phrases** : S23-Do not breathe gas/fumes/vapor/spray.

S26-In case of contact with eyes, rinse immediately with plenty of

water and seek medical advice.

S36/37/39-Wear suitable protective clothing, gloves and eye/face

protection.

S45-In case of accident or if you feel unwell, seek medical advice

immediately (show the label where possible).

S60-This material and its container must be disposed of as hazardous

waste.

Hazardous ingredients : Poly(oxypropylene) diamine

3-aminomethyl-3,5,5-trimethylcyclohexylamine

**Supplemental label elements** : Not applicable.

### 2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

Not applicable.

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Not applicable.

# **SECTION 3: Composition/information on ingredients**

Substance/mixture : Mixture

| Product/ingredient name | Identifiers | % by<br>weight | Classification | Туре |  |
|-------------------------|-------------|----------------|----------------|------|--|
|-------------------------|-------------|----------------|----------------|------|--|

|  |  |               | 67/548/EEC                            | Regulation (EC) No.<br>1272/2008 [CLP]  |     |
|--|--|---------------|---------------------------------------|---|-----|
| Poly(oxypropylene) diamine                       | EC:<br>CAS: 9046-10-0<br>Index:                          | >=50 -<br><75 | c; R34<br>R52/53                      | Skin Corr./Irrit. 1C,<br>H314<br>Aquatic Chronic 2, H411  | [1] |
| 3-aminomethyl-3,5,5-<br>trimethylcyclohexylamine | EC:220-666-8<br>CAS: 2855-13-2<br>Index:612-067-<br>00-9 | >=35 -<br><50 | C; R34<br>Xn; R21/22<br>R43<br>R52/53 | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Skin Corr./Irrit. 1B,<br>H314<br>Eye Dam./Irrit. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 | [1] |

#### Type

Ingestion

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

See Section 16 for the full text of the R phrases or H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

# **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

Eye contact Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Inhalation Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Skin contact Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

> Get medical attention immediately. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities

of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first aid personnel

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

### Potential acute health effects

**Eye contact** : Corrosive to eyes. Causes burns.

Inhalation : May give off gas, vapor or dust that is very irritating or corrosive to

the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following

exposure.

**Skin contact**: Corrosive to the skin. Causes burns. Harmful in contact with skin.

May cause sensitization by skin contact.

**Ingestion**: Harmful if swallowed. May cause burns to mouth, throat and

stomach.

### Over-exposure signs/symptoms

**Eye contact**: Adverse symptoms may include the following:

pain watering redness

**Inhalation** : No specific data.

**Skin contact**: Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

**Ingestion**: Adverse symptoms may include the following:

stomach pains

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

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms

may be delayed. The exposed person may need to be kept under

medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

# **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

**Suitable extinguishing media**: Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

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

Hazards from the substance or mixture

Hazardous thermal decomposition products

: In a fire or if heated, a pressure increase will occur and the container may burst.

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide nitrogen oxides

### **5.3** Advice for firefighters

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. This material is harmful to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and selfcontained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Additional information

# **SECTION 6: Accidental release measures**

# 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel :

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

**6.2** Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material.

# 6.3 Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste

disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

**6.4** Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

# **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

#### **Protective measures**

Put on appropriate personal protective equipment (see section 8 of SDS). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

# Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

# 7.3 Specific end use(s)

Recommendations Industrial sector specific solutions Not availableNot available

# **SECTION 8: Exposure controls/personal protection**

# **8.1** Control parameters

# Occupational exposure limits

No exposure limit value known. Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNEL/DMEL Summary** : Not available

PNEC Summary : Not available

### **8.2** Exposure controls

**Appropriate engineering controls**: If user operations generate dust, fumes, gas, vapor or mist, use

process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below

any recommended or statutory limits.

### **Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical

products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations

and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid

exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be

required instead.

# Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved

standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the

gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the test being performed and the ricks involved and should be

on the task being performed and the risks involved and should be approved by a specialist before handling this product

approved by a specialist before handling this product.Other skin protectionAppropriate footwear and any additional skin protection measures

should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this

product.

**Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying

with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe

working limits of the selected respirator.

**Environmental exposure controls**: Emissions from ventilation or work process equipment should be

checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers,

filters or engineering modifications to the process equipment will be

necessary to reduce emissions to acceptable levels.

# **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

#### **Appearance**

Physical state : Liquid
Color : slight blue

Odor : amine.

Odor threshold:Not availablepH:Not availableMelting point/freezing point:Not availableInitial boiling point and boiling:240 °C

range

Flash point :  $110 \,^{\circ}\text{C}$ 

**Evaporation rate** : Not available

Upper/lower flammability or<br/>explosive limits: Lower: Not available<br/>Upper: Not available

Vapor pressure: Not availableVapor density: Not availableRelative density: Not availableDensity: 0.960 g/cm3

Solubility(ies): Not availableSolubility in water: Soluble

Partition coefficient: n- : Not available

octanol/water

Auto-ignition temperature: Not availableDecomposition temperature: Not available

**Viscosity** : **Dynamic:** 10 - 50 mPa·s @ 25 °C (ISO 9371)

Kinematic: Not available

**Explosive properties** : Not available **Oxidizing properties** : Not available

# 9.2 Other information

No additional information.

# **SECTION 10: Stability and reactivity**

**10.1 Reactivity** : Stable under normal conditions.

**10.2 Chemical stability** : The product is stable.

10.3 Possibility of hazardous

reactions

Under normal conditions of storage and use, hazardous reactions

will not occur.

**10.4 Conditions to avoid** : No specific data.

**10.5 Incompatible materials** : No specific data.

10.6 Hazardous decomposition

products

Under normal conditions of storage and use, hazardous

decomposition products should not be produced.

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

# **Acute toxicity**

| Product/ingredient name     | Result             | Species | Dose        | Exposure |  |
|-----------------------------|--------------------|---------|-------------|----------|--|
| Poly(oxypropylene) diamine  |                    |         |             |          |  |
|                             | LD50 Oral          | Rat     | 2,885 mg/kg | -        |  |
|                             | LD50 Dermal        | Rabbit  | 2,980 mg/kg | -        |  |
| 3-aminomethyl-3,5,5-trimeth | nylcyclohexylamine |         |             |          |  |
|                             | LD50 Oral          | Rat     | 1,030 mg/kg | -        |  |

Conclusion/Summary : Not available

### **Acute toxicity estimates**

Not available

# **Irritation/Corrosion**

Conclusion/Summary

Skin:Not availableeyes:Not availableRespiratory:Not available

**Sensitization** 

**Conclusion/Summary** 

Skin: Not availableRespiratory: Not available

Mutagenicity

Conclusion/Summary : Not available

Carcinogenicity

Conclusion/Summary : Not available

Reproductive toxicity

Conclusion/Summary : Not available

**Teratogenicity** 

Conclusion/Summary : Not available

Specific target organ toxicity (single exposure)

Not available

Specific target organ toxicity (repeated exposure)

Not available

**Aspiration hazard** 

Not available

**Information on the likely routes** : Not available

of exposure

### Potential acute health effects

**Eye contact** : Corrosive to eyes. Causes burns.

**Inhalation**: Harmful if swallowed. May cause burns to mouth, throat and

stomach.

**Skin contact**: Corrosive to the skin. Causes burns. Harmful in contact with skin.

May cause sensitization by skin contact.

**Ingestion** : May give off gas, vapor or dust that is very irritating or corrosive to

the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following

exposure.

# Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:

pain watering redness

**Inhalation** : No specific data.

**Skin contact**: Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

**Ingestion** : Adverse symptoms may include the following:

stomach pains

# Delayed and immediate effects and also chronic effects from short and long term exposure

### **Short term exposure**

Potential immediate effects : Not available
Potential delayed effects : Not available

### Long term exposure

Potential immediate effects : Not available
Potential delayed effects : Not available

### Potential chronic health effects

Conclusion/Summary : Not available

General: Once sensitized, a severe allergic reaction may occur when

subsequently exposed to very low levels.

Carcinogenicity: No known significant effects or critical hazards.Mutagenicity: No known significant effects or critical hazards.Teratogenicity: No known significant effects or critical hazards.Developmental effects: No known significant effects or critical hazards.Fertility effects: No known significant effects or critical hazards.

# **SECTION 12: Ecological information**

### 12.1Toxicity

Conclusion/Summary : Not available

## 12.2 Persistence and degradability

Conclusion/Summary : Not available

### 12.4 Mobility in soil

Soil/water partition coefficient

(KOC)

Not available

**Mobility** : Not available

#### 12.5 Results of PBT and vPvB assessment

**PBT** : P: Not available

B: Not available T: Not available

vPvB : vP: Not available

vB: Not available

**12.6 Other adverse effects** : No known significant effects or critical hazards.

# **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

### **Product**

Methods of disposal : The generation of waste should be avoided or minimized wherever

possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : The classification of the product may meet the criteria for a

hazardous waste.

**Packaging** 

**Methods of disposal**: The generation of waste should be avoided or minimized wherever

possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions**: This material and its container must be disposed of in a safe way.

Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# **SECTION 14: Transport information**

Regulatory 14.1. UN 14.2. UN proper shipping name 14.3. Transport 14.4. Packing information number 14.3. Transport hazard class(es) group

| ADR       | 2735 | POLYAMINES, LIQUID,<br>CORROSIVE, N.O.S.<br>(ALKYLETHERAMINE) | 8 | III |
|-----------|------|---|---|-----|
| RID       | 2735 | POLYAMINES, LIQUID, CORROSIVE,<br>N.O.S.<br>(ALKYLETHERAMINE) | 8 | III |
| ICAO/IATA | 2735 | POLYAMINES, LIQUID,<br>CORROSIVE, N.O.S.<br>(ALKYLETHERAMINE) | 8 | III |
| IMO/IMDG  | 2735 | POLYAMINES, LIQUID,<br>CORROSIVE, N.O.S.<br>(ALKYLETHERAMINE) | 8 | III |

# 14.5. Environmental hazards

Environmentally hazardous and/or Marine Pollutant No.

14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.'

# **SECTION 15: Regulatory information**

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

### Other EU regulations

**REACH Status** The substance(s) in this product has (have) been Pre-Registered and/or Registered, or are exempted from registration, according to

Regulation (EC) No. 1907/2006 (REACH).

Aerosol dispensers Not applicable. Annex XVII - Restrictions on the Not applicable.

manufacture, placing on the market and use of certain dangerous substances, mixtures

and articles

**EU - Prior Informed Consent.** List of chemicals subject to the

international PIC procedure

(Annex I - Part 1)

**EU - Prior Informed Consent.** List of chemicals subject to the international PIC procedure

(Annex I - Part 2)

**EU - Prior Informed Consent.** List of chemicals subject to the international PIC procedure (Annex I - Part 3)

Not listed

Not listed

Not listed

# Seveso II Directive

This product is not controlled under the Seveso II Directive.

#### Danger criteria

#### Category

E2: Hazardous to the aquatic environment - Chronic 2

### National regulations

### **International regulations**

International lists

: Australia inventory (AICS) All components are listed or exempted.

Canada inventory All components are listed or exempted. Japan inventory All components are listed or exempted.

China inventory (IECSC) All components are listed or exempted.

Korea inventory All components are listed or exempted.

New Zealand Inventory (NZIoC) All components are listed or exempted. Philippines inventory (PICCS) All components are listed or exempted. United States inventory (TSCA 8b) All components are listed or exempted.

Taiwan inventory (CSNN) Not determined.

**Chemical Weapons Convention** 

List Schedule I Chemicals

Not listed

**Chemical Weapons Convention** 

Not listed Not listed

**List Schedule II Chemicals** 

Not listed Not listed

**Chemical Weapons Convention List Schedule III Chemicals** 

: Not listed

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety

Assessments are still required.

# **SECTION 16: Other information**

Abbreviations and acronyms

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation

[Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level DMEL = Derived Minimal Effect Level

EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number PBT = Persistent, Bioaccumulative and Toxic vPvB = Very Persistent and Very Bioaccumulative

# Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification             | Justification      |
|----------------------------|--------------------|
| Skin Corr./Irrit. 1B, H314 | Calculation method |
| Skin Sens. 1, H317         | Calculation method |
| Aquatic Chronic 2, H411    | Calculation method |

Full text of abbreviated H statements

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.
H314 Causes severe skin burns and eye damage.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.

Full text of classifications [CLP/GHS]

Acute Tox. 4, H302: ACUTE TOXICITY: ORAL - Category 4
Acute Tox. 4, H312: ACUTE TOXICITY: SKIN - Category 4

Aquatic Chronic 2, H411: AQUATIC HAZARD (LONG-TERM) - Category 2 Aquatic Chronic 3, H412: AQUATIC HAZARD (LONG-TERM) - Category 3 Skin Corr./Irrit. 1B, H314: SKIN CORROSION/IRRITATION - Category 1B Skin Corr./Irrit. 1C, H314: SKIN CORROSION/IRRITATION - Category 1C

Skin Sens. 1, H317: SKIN SENSITIZATION - Category 1

Full text of abbreviated R phrases : R21/22- Harmful in contact with skin and if swallowed.

R34- Causes burns.

R43- May cause sensitization by skin contact.

R52/53- Harmful to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

Full text of classifications [DSD/DPD]

C - Corrosive Xn - Harmful

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#### Notice to reader

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