

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 04.03.2017

Liquid Plastic Hardener

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Material Name: Liquid Plastic Hardener

Product code: EPH369001

1.2 Relevant identified uses of the substance or mixture and uses advised against: Clear casting hardener

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer:

Ecopoxy
Box 220, Morris
Manitoba, R0G1K0, Canada
855-326-7699

Supplier:

EcoPoxy
Box 220
Morris, MB R0G 1K0
855-326-7699
info@ecopoxy.com

Emergency telephone number:

ChemTel Inc

+1 800 255 3924

+1 813 248 0585

2 Hazards identification

2.1 Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.

Chronic aquatic hazard, category 2.

Acute aquatic hazard, category 2.

Serious eye damage, category 1.

Skin corrosion, category 1A.

Acute toxicity (oral), category 3.

Acute toxicity (dermal), category 3.

Hazard-determining components of labeling:

Propylidynetrimethanol, propoxylated, reaction products with ammonia

2.2 Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 04.03.2017

Liquid Plastic Hardener

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

P302+P352+P312 If on skin: Wash with soap and water. Call a poison center or doctor/physician if you feel unwell.

P303+P361+P353+P310 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see supplemental first aid instructions on this label).

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P405 Store locked up.

P501 Dispose of contents and container as instructed in Section 13.

2.3 Other hazards: None known

Information concerning particular hazards for humans and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

3 Composition/information on ingredients

3.1 Chemical characterization: Substance.

3.2 Description: None

3.3 Hazardous components (percentages by weight)

Identification	Name	Classification	Wt. %
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3.4 Additional information: None.

4 First aid measures

4.1 Description of first aid measures

General information: None.

After inhalation:

Move exposed individual to fresh air.

Loosen clothing as necessary and position individual in a comfortable position.

Maintain an unobstructed airway.

Immediately call a POISON CONTROL CENTER or seek medical attention.

After skin contact:

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 04.03.2017

Liquid Plastic Hardener

Immediately remove all contaminated clothing.
Wash affected area with soap and water.
Seek medical attention if symptoms develop or persist.
Call a POISON CONTROL CENTER or seek medical attention if you feel unwell.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.
Remove contact lens(es) if able to do so during rinsing.
Immediately call a POISON CONTROL CENTER or seek medical attention.

After swallowing:

Immediately call a POISON CONTROL CENTER or seek medical attention.
Do not induce vomiting.
Rinse mouth and then drink plenty of water.

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

None

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

No additional information.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

Unsuitable extinguishing media: None

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Protective equipment:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

5.4 Additional information: None

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.
Ensure air handling systems are operational.
Wear protective eye wear, gloves and clothing.

6.2 Environmental precautions:

Should not be released into the environment.
Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.
Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).
Dispose of contents / container in accordance with local regulations.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 04.03.2017

Liquid Plastic Hardener

6.4 Reference to other sections: None

7 Handling and storage

7.1 Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

7.3 Specific end use(s): No additional information.

8 Exposure controls/personal protection



8.1 Control parameters:

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Protection of skin:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Eye protection:

Safety goggles or glasses, or appropriate eye protection.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 04.03.2017

Liquid Plastic Hardener

Appearance (physical state, color):	Colorless Liquid	Explosion limit lower: Explosion limit upper:	Not determined or not available. Not determined or not available.
Odor:	Ammoniacal	Vapor pressure:	Not determined or not available.
Odor threshold:	NA	Vapor density:	>1
pH-value:	11.6	Relative density:	0.98
Melting/Freezing point:	NA	Solubilities:	VOC Content <1% by ASTM D2369
Boiling point/range:	NA	Partition coefficient (n-octanol/water):	Not determined or not available.
Flash point (closed cup):	Closed cup: 196°C/ 384.8°F	Auto/Self-ignition temperature:	Not determined or not available.
Evaporation rate:	Not determined or not available.	Decomposition temperature:	Not determined or not available.
Flammability (solid, gaseous):	Not determined or not available.	Dynamic viscosity:	Not determined or not available.
Density:	Not determined or not available.	Kinematic viscosity:	0.72 cm ² /S

10 Stability and reactivity

- 10.1 Reactivity:** Does not react under normal conditions of use and storage.
- 10.2 Chemical stability:** Stable under normal conditions of use and storage.
- 10.3 Possibility of hazardous reactions:** None under normal conditions of use and storage.
- 10.4 Conditions to avoid:** None known.
- 10.5 Incompatible materials:** None known.
- 10.6 Hazardous decomposition products:** None known.

11 Toxicological information

11.1 Information on toxicological effects:

Routes of exposure: No information available.

Acute toxicity:

Oral:

Propylidynetrimethanol, propoxylated, reaction products with ammonia: LD50 - Rat - 550 mg/kg.

Dermal:

Propylidynetrimethanol, propoxylated, reaction products with ammonia: LD50 - Rat - > 1,000 mg/kg.

Skin corrosion/irritation: No additional information.

Serious eye damage/irritation:

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 04.03.2017

Liquid Plastic Hardener

Propylidyntrimethanol, propoxylated, reaction products with ammonia: Corrosive to the eyes.

Respiratory or skin sensitization: No additional information.

Carcinogenicity:

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

Germ cell mutagenicity: No additional information.

Reproductive Toxicity: No additional information.

STOT-single and repeated exposure: No additional information.

Aspiration toxicity: No information available.

Additional toxicological information:

No additional information.

12 Ecological information

12.1 Toxicity:

Propylidyntrimethanol, propoxylated, reaction products with ammonia: Aquatic Plants, EC50 - Pseudokirchnerella subcapitata - 4.4 mg/L - 72 h.

12.2 Persistence and degradability:

No additional information.

12.3 Bioaccumulative potential:

No additional information.

12.4 Mobility in soil:

No additional information.

General notes:

No additional information.

12.5 Results of PBT and vPvB assessment:

PBT: No additional information.

vPvB: No additional information.

12.6 Other adverse effects:

No additional information.

13 Disposal considerations

13.1 Waste treatment methods

Relevant information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

14 Transport information

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 04.03.2017

Liquid Plastic Hardener

Land transport:

DOT (49 CFR) transport

14.1 UN Number:	UN2922
14.2 UN Proper shipping name:	Corrosive liquid, toxic n.o.s.(Polyoxypropylene)
14.3 UN Transport hazard classes:	
14.4 Packing group:	III
Danger label:	
14.5 Environmental hazards:	No
14.6 Special precautions for user:	None

ADR/RID

14.1 UN Number:	UN2922
14.2 UN Proper shipping name:	Corrosive liquid, toxic n.o.s.(Polyoxypropylene)
14.3 UN Transport hazard classes:	
14.4 Packing group:	III
Danger label:	
Tunnel restriction code:	None
Transport category:	None
Hazard ID number:	None
14.5 Environmental hazards:	No
14.6 Special precautions for user:	None

Air transport:

IATA-DGR

14.1 UN Number:	UN2922
14.2 UN Proper shipping name:	Corrosive liquid, toxic n.o.s.(Polyoxypropylene)
14.3 UN Transport hazard classes:	
14.4 Packing group:	III
Danger label:	
14.5 Environmental hazards:	No
14.6 Special precautions for user:	None

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 04.03.2017

Liquid Plastic Hardener

Sea transport:

IMDG

14.1 UN Number:	UN2922
14.2 UN Proper shipping name:	Corrosive liquid, toxic n.o.s.(Polyoxypropylene)
14.3 UN Transport hazard classes:	
14.4 Packing group:	III
Danger label:	
EMS code:	None
14.5 Environmental hazards:	No
14.6 Special precautions for user:	None
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.

North American

SARA Section 311/312 (Specific toxic chemical listings): Not classified.

SARA Section 302 (Extremely hazardous substances): None of the ingredients are listed.

SARA Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

39423-51-3 Propylidynetrimethanol, propoxylated, reaction products with ammonia: listed.

TSCA Rules and Orders: Not applicable.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Canada

Canadian Domestic Substances List (DSL):

39423-51-3 Propylidynetrimethanol, propoxylated, reaction products with ammonia: listed.

European Union

REACH Article 57 (SVHC): None of the ingredients are listed.

Germany MAK: Not classified.

Australia

Australian Inventory of Chemical Substances (AICS):

39423-51-3 Propylidynetrimethanol, propoxylated, reaction products with ammonia: listed.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 04.03.2017

Liquid Plastic Hardener

China

Inventory of Existing Chemical Substances in China (IECSC):

39423-51-3 Propylidynetrimethanol, propoxylated, reaction products with ammonia: listed.

Japan

Inventory of Existing and New Chemical Substances (ENCS):

39423-51-3 Propylidynetrimethanol, propoxylated, reaction products with ammonia: listed.

Korea

Existing Chemicals List (ECL):

39423-51-3 Propylidynetrimethanol, propoxylated, reaction products with ammonia: listed.

New Zealand

New Zealand Inventory of Chemicals (NZOIC):

39423-51-3 Propylidynetrimethanol, propoxylated, reaction products with ammonia: listed.

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS):

39423-51-3 Propylidynetrimethanol, propoxylated, reaction products with ammonia: listed.

Taiwan

Taiwan Chemical Substance Inventory (TSCI):

39423-51-3 Propylidynetrimethanol, propoxylated, reaction products with ammonia: listed.

16 Other information

Abbreviations and Acronyms: None

Manufacturer Statement:

This product has been classified in accordance within GHS guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.