

### SECTION 1: Identification

#### 1.1. Identification

Product form	: Mixture
Product name	: 1300MVR-B
Product code	: 1300-B
Other means of identification	: 1300-B/55, 1300-B/5, 1300-B/1

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

No additional information available

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

Protective Industrial Polymers  
7875 Bliss Parkway  
North Ridgeville, Ohio 44039 - USA-Ohio  
T 440-327-0015  
[www.protectpoly.com](http://www.protectpoly.com)

#### 1.4. Emergency telephone number

Emergency number : Chemtrec: 800427-9300 (Outside USA) 703-527-3887

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Acute toxicity (oral), Category 4	H302
Acute toxicity (dermal), Category 4	H312
Skin corrosion/irritation, Category 1C	H314

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS05

GHS07

Signal word (GHS-US)	: Danger
Contains	: Cycloaliphatic Amine; Aromatic Alcohol; Aliphatic Amine; Organic Acid
Hazard statements (GHS-US)	: H302+H312 - Harmful if swallowed or in contact with skin H314 - Causes severe skin burns and eye damage
Precautionary statements (GHS-US)	: P260 - Do not breathe vapours P264 - Wash hands thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear protective clothing P301+P312 - If swallowed: Call a doctor if symptoms persist. if you feel unwell P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P302+P352 - If on skin: Wash with plenty of soap P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a doctor if symptoms persist P312 - Call a doctor if symptoms persist. if you feel unwell P321 - Specific treatment (see a doctor if symptoms do not go away. on this label) P330 - Rinse mouth P362+P364 - Take off contaminated clothing and wash it before reuse P363 - Wash contaminated clothing before reuse P405 - Store locked up P501 - Dispose of contents/container to in accordance with local regulations

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### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Cycloaliphatic Amine	(CAS No) Proprietary	35 - 50	Acute Tox. 4 (Oral), H302
Aromatic Alcohol	(CAS No) Proprietary	25 - 35	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
Amine-epoxy Resin Adduct	(CAS No) Proprietary	15 - 20	Not classified
Aliphatic Amine	(CAS No) Proprietary	10 - 15	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
Organic Acid	(CAS No) Proprietary	5 - 7	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

Symptoms/injuries after inhalation	: Nausea. Vomiting. Coughing. Headache. Feeling of weakness.
Symptoms/injuries after skin contact	: Slight irritation. Skin rash/inflammation. Red skin.
Symptoms/injuries after eye contact	: Redness of the eye tissue. Irritation of the eye tissue.
Symptoms/injuries after ingestion	: Nausea. Vomiting.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media for surrounding fire.

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

Fire hazard : In a fire or if heated, a pressure increase will occur and the container may burst.  
Reactivity : Stable under normal conditions.

### 5.3. Advice for firefighters

Firefighting instructions : Fire-fighter should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures : Isolate from fire, if possible, without unnecessary risk. Evacuate area.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain released substance, pump into suitable containers. Dam up the liquid spill.  
Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.  
Incompatible materials : No known incompatible materials.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Cycloaliphatic Amine (Proprietary)

Not applicable

#### Aromatic Alcohol (Proprietary)

Not applicable

#### Aliphatic Amine (Proprietary)

Not applicable

#### Organic Acid (Proprietary)

Not applicable

#### Amine-epoxy Resin Adduct (Proprietary)

Not applicable

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Hand protection : protective gloves.  
Eye protection : Safety glasses.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.  
Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Yellow liquid.  
Colour : Yellow  
Odour : Amine-like  
Odour threshold : No data available  
pH : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available

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Flash point	: > 100 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour density at 20 °C	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 800 - 1200 mPa.s @25 C

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Avoid exposure.

### 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 : Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.

1300MVR-B	
ATE US (oral)	990.252 mg/kg bodyweight
ATE US (dermal)	1100.000 mg/kg bodyweight
Cycloaliphatic Amine (Proprietary)	
LD50 oral rat	1030 mg/kg
ATE US (oral)	1030.000 mg/kg bodyweight
Aromatic Alcohol (Proprietary)	
LD50 oral rat	1230 mg/kg
LD50 dermal rat	2000 mg/kg
LC50 inhalation rat (ppm)	>
ATE US (oral)	1230.000 mg/kg bodyweight
ATE US (dermal)	2000.000 mg/kg bodyweight
Aliphatic Amine (Proprietary)	
LD50 oral rat	930 mg/kg
LD50 dermal rat	2000 mg/kg

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<b>Aliphatic Amine (Proprietary)</b>	
LC50 inhalation rat (ppm)	3.89 ppm/1h
ATE US (oral)	930.000 mg/kg bodyweight
ATE US (dermal)	2000.000 mg/kg bodyweight
ATE US (gases)	1.945 ppmv/4h
<b>Organic Acid (Proprietary)</b>	
LD50 oral rat	891 mg/kg
LD50 dermal rat	2000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 inhalation rat (ppm)	> 0.9 ppm/1h
ATE US (oral)	891.000 mg/kg bodyweight
ATE US (dermal)	2000.000 mg/kg bodyweight

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified. Not classified.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : Nausea. Vomiting. Coughing. Headache. Feeling of weakness.

Symptoms/injuries after skin contact : Slight irritation. Skin rash/inflammation. Red skin.

Symptoms/injuries after eye contact : Redness of the eye tissue. Irritation of the eye tissue.

Symptoms/injuries after ingestion : Nausea. Vomiting.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Contain and dispose of waste according to local regulations.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN2735 Polyamines, liquid, corrosive, n.o.s. (Cycloaliphatic Amine), 8, III

UN-No.(DOT) : UN2735

Proper Shipping Name (DOT) : Polyamines, liquid, corrosive, n.o.s.  
Cycloaliphatic Amine

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT) : 8 - Corrosive



Packing group (DOT) : III - Minor Danger

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Symbols : G - Identifies PSN requiring a technical name

DOT Special Provisions (49 CFR 172.102) : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672)

T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / (1 + a (tr - tf))$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling

TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP

DOT Packaging Exceptions (49 CFR 173.xxx) : 154

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel

DOT Vessel Stowage Other : 52 - Stow "separated from" acids

Other information : No supplementary information available.

#### TDG

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### 1300MVR-B

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Cycloaliphatic Amine (Proprietary)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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<b>Aromatic Alcohol (Proprietary)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Aliphatic Amine (Proprietary)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Organic Acid (Proprietary)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Amine-epoxy Resin Adduct (Proprietary)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

<b>1300MVR-B</b>	
WHMIS Classification	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects Class E - Corrosive Material

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

Other information : Disclaimer: This SDS to the best of our knowledge conforms to the requirements of OSHA 20 CFR 1910.1200 and summarizes the health and safety hazard information and general guidance on how to safely handle the material at the date of issue. Each user must review the SDS in the context of how the product will be handled and used in the workplace.

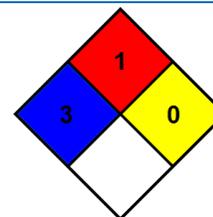
Full text of H-statements:

H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage

NFPA health hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*