# IDENTIFICATION

## SECTION 1: PRODUCT INFORMATION

**PRODUCT NAME**: ADHL-EPOFLEX - **PART A**

| | |
|---|---|
| MANUFACTURER/SUPPLIER: | Adhesiveslab 235 Rayette Rd, Unit #4 Concord, Ontario Canada L4K 2G1 24 |
| HOUR EMERGENCY NUMBER: | 1-800-340-7697 |
| APPLICATION AND USE: | : Flexible Epoxy Urethane Floor Paint - PART A |
| PRODUCT DESCRIPTION: | Two-component 100% solid epoxy coating (epoxy resin blend) |

## SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION

**SIGNAL WORD** .....
**WARNING**

-Skin corrosion/irritation: Category 4
-Severe eye damage / irritation: Category 2
-Skin sensitization: Category 1
-Chronic aquatic toxicity: Category 2

GHS LABEL ELEMENTS

HAZARD STATEMENTS
- H302 Harmful if swallowed
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H411 Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

1. PREVENTION
   P261 Avoid breathing dust/fume/gas/mist/vapours/spray - P264 Wash hands thoroughly after handling - P272 Contaminated work clothing should not be allowed out of the workplace - P280 Wear protective gloves/protective clothing/eye protective/face protection

2. RESPONSE
- P332 + P313 If skin irritation occurs: Get medical advice/attention - P333 + P313 If skin irritation or a rash occurs: Get medical advice/attention - P362 Take off contaminated clothing and wash before reuse

3. STORAGE
P403 + P233 Store in a well ventilated place. Keep container tightly closed

4. DISPOSAL
P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

5) In case of Fire: - Notify your local fire station and inform the location of the fire and characteristics hazard. - Wear appropriate protective equipment

6) First Aid - P301 + P312: IF Swallowed: Call a POISON CENTRE or doctor/physician if you feel unwell. - P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

C. Other hazard which do not result in classification: (NFPA Classification) o NFPA grade (0~4 level) - Health: 2 Flammability: 1, Reactivity : 0

WHMIS 1988 Classification (Canada): Class D, Division 2, Subdivision B: irritant

TRANSPORTATION OF DANGEROUS GOODS INFORMATION: Not Regulated Packing Group: PG III

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | CAS# | %(weight) | LD/50 Route/Species |
|---|---|---|---|
| Diglycidyl Ether of Bisphenol-A Epoxy | 25068-38-6 | 50-80 | LD50-30g/kg(Oral-Rat) |
| Alkyl (C12-C14) Glycidyl Ether | 68609-97-2 | 2-10 | LD50-N/A |
| Alkyl Phenol Polyisocyanate | Trade Secret | 10-40 | 4500mg/kg/Skin/Rabbit 5190 mg/kg (Oral/Rat) |
| Trimethylolpropane Triacrylate | 15625-89-5 | 1-15 | LD50 (Rat-Oral) 6600 mg/kg |

## SECTION 4: FIRST-AID MEASURES

GENERAL ADVICE
-Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

EYE CONTACT
-Do not rub your eyes.
-Flush eyes immediately with large amounts of running water for at least 15 minutes while holding eyelids open until irritation subsides. Do not attempt to neutralize with chemical agents. Obtain medical attention immediately

SKIN CONTACT
- Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Laundering enough contaminated clothing before reuse.
- Go to the hospital immediately if symptoms (flare, irritate) occur.
- Wash thoroughly after handling.
- Wash immediately with plenty of soap and water. Remove and clean all contaminated clothing and launder before reuse.

INHALATION

- When exposed to large amounts of steam and mist, move to fresh air.
- Take specific treatment if needed.
- In the case of overexposure, remove to fresh air. Get medical attention if the victim is in respiratory distress.

INGESTION

- About whether I should induce vomiting Take the advice of a doctor
- Rinse your mouth with water immediately.
- If swallowed, drink two glasses of water. Do not induce vomiting. The material is corrosive. Do not give anything to mouth to an unconscious person. Get prompt medical attention.

ADDITIONAL INFORMATION
-Notify medical personnel of contaminated situations and have them take appropriate protective measures.

## SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA
-Dry chemical. Dry sand.
-Avoid use of water jet for extinguishing

SPECIFIC RISKS ARISING FROM THE CHEMICAL SUBSTANCE
-No available

SPECIAL PROTECTION ACTIONS FOR FIREFIGHTERS
- Notify your local fire-station and inform the location of the fire and characteristics hazard.
- Using a unattended and water devices in case of large fire and leave alone to burn if you do not imperative.
- Avoid inhalation of materials or combustion by-products.
- Do not access if the tank on fire.
- Use appropriate extinguishing measure suitable for surrounding fire.
- Keep containers cool with water spray.
- Vapour or gas is burned at distant ignition sources can be spread quickly.

Flashpoint and Method: 31.7 C/ 89 F (T.C.C.)

Auto ignition Temperature: Not applicable

Flammable Limits: Not Available

GENERAL HAZARDS: Combustible liquid; may release vapours that form combustible mixtures at or above the flash point. Toxic gases will form upon combustion.

FIRE FIGHTING: Wear NIOSH-approved self-contained breathing apparatus with independent air supply. Wear complete body protective butyl rubber clothing. Personnel in vicinity and downwind should be evacuated.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, and carbon monoxide, various hydrocarbons, phenol

## SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
-Use self-contained breathing apparatus and chemically protective clothing.
-Evacuate personnel to safe areas

ENVIRONMENTAL PRECAUTIONS
- Prevent runoff and contact with waterways, drains or sewers
- If large amounts have been spilled, inform the relevant authorities.

METHODS TO CLEAN
Large spill: stay upwind and keep out of low areas. Dike for later disposal.
- Notification to central government, local government. When emissions at least of the standard amount
- Dispose of waste in accordance with local regulation.
- Appropriate container for disposal of spilled material collected.
- Small leak: sand or other non-combustible material, please let use absorption.
- Wipe off the solvent
- Dike for later disposal.
- Prevent the influx to waterways, sewers, basements or confined spaces.

PROCEDURE IN CASE OF LEAKS: Prevent spills from entering sewers, watercourses or low areas. Absorb with sand or other absorbent material. Residue may be removed with hot water and detergent. All precautions should be taken when cleaning the spill with solvent.

ENVIRONMENTAL PRECAUTIONS: Avoid discharge to sewers or waterways. Marine Pollutant (Very toxic to aquatic organisms)

SPILL CONTROL AND DISPOSAL: Dispose of sand and rinse water according to municipal, provincial or federal laws for disposal of chemicals.

## SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING
Wash thoroughly after handling
- Avoid direct physical contact
- Avoid contact with incompatible materials.

- Refer to Engineering controls and personal protective equipment.
- Do not inhale the steam prolonged or repeated.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITY
Do not use damaged containers
- Do not apply direct heat
- Save applicable laws and regulations.
- Avoid direct sunlight - Keep in the original container.
- Collected them in sealed container.
- Do not eat, drink or smoke when using this product.
- Store away from water and sewer.

HANDLING STORAGE AND SHIPPING
Keep container closed. Handle and open containers with care. Store in a 6 cool, well ventilated place away from incompatible materials. Do not handle or store near an open flame, sources of heat, or sources of ignition. Protect material from direct sunlight. This product will accumulate static charges which may cause an incendiary electrical discharge. Use proper grounding procedures. Empty product containers may contain product residue. DO NOT REUSE.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS
OSHA PEL
- Not available

ACGIH TLV
- Not available

ENGINEERING CONTROLS
A system of local and/or general exhaust is recommended to keep employee exposure above the Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. The use of local exhaust ventilation is recommended to control emissions near the source

PERSONAL PROTECTION EQUIPMENT
-Respiratory protection: respiratory protection may be required.
- Under conditions of frequent use or heavy exposure, Respiratory protection may be needed.
- Respiratory protection is ranked in order from minimum to maximum.
- Consider warning properties before use. - Any chemical cartridge respirator with organic vapour cartridge(s).
- Any chemical cartridge respirator with a full facepiece and an organic vapour cartridge(s).
- Any air-purifying respirator with a full facepiece and an organic vapour canister.
- For unknown Concentration or Immediately Dangerous to Life or Health: Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full facepiece.

Eye protection
- Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.

- Provide an emergency eye wash station and quick drench shower in the immediate work area.

Hand protection
- Wear appropriate glove.

Skin protection
- Wear appropriate clothing

PERSONAL PROTECTION
The selection of personal protective equipment varies depending upon conditions of use. When handling product wear long sleeves, chemical resistant gloves and safety glasses with side shields. Where splashing during mixing may occur wear full face shield. Where concentrations in air may exceed the occupational exposure limits and where engineering work practices or other means of exposure reduction are not adequate, approved respirators may be necessary to prevent overexposure by inhalation. The respirators may not be necessary for handling the materials in outdoor environment. Eye wash station (sink) or shower facility near the job is recommended in case of emergency.

Effect of Overexposure:

INHALATION: Do not heat the material. Vapours or mist generated from heating the material or as from exposure in poorly ventilated areas are irritating and cause nasal discharge. Coughing and discomfort in nose and throat. Prolonged or repeated overexposure may result in lung damage.

EYES: Cause irritation, experienced as pain, with excess blinking and tear production, and seen as extreme redness and swelling of the eye and chemical burns of the eye.

SKIN: Causes severe skin irritation with pain, excess redness and swelling with chemical burns. It may cause skin sensitization. Other than the potential skin irritation, effects noted above acute (short term) adverse effects are not expected from brief skin contact.

INGESTION: Acute (brief exposure): Low toxicity causes irritation. Chronic (prolonged exposure): causes burning of mouth, throat, and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst and weakness.

INGESTION: CHRONIC: Refer to acute ingestion.
-Toxic effects or reproduction: No
-Teratogenicity: No
-Mutagencity: No
-Carcinogenicity: No

Acute or chronic exposure should be avoided as it will increase the toxicological problems mentioned in this section and may aggravate respiratory problems. Repeated skin contact may cause a persistent irritation or dermatitis. Repeated inhalation may cause lung damage.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid Specific
Gravity: 1.44
Solubility in Water: Insoluble

Boiling Point: 142° C
Freezing/Melting Point: n/av

Viscosity: 1500 cps @ 23°C (73°F)
Evaporation Rate: 0.75
Volatile: (voc): less than 10 %

Vapour Density: n/av
Odour: Solvent Hydrocarbon
Appearance: Coloured Liquid

## SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY AND REACTIVITY
-Stable under normal conditions of handling and storage.

CONDITIONS TO AVOID
-Avoid contact with incompatible materials and condition.
- Avoid: Accumulation of electrostatic charges, Heating, Flames and hot surfaces

MATERIALS TO AVOID
-Nt available

DANGEROUS PRODUCTS OF DECOMPOSITION
-No data available

GENERAL: This product is stable and hazardous polymerization will not occur under normal conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: Excessive heating. Avoid contact with strong acids and alkalis.

HAZARDOUS DECOMPOSITION: carbon monoxide, phenol

## SECTION 11: TOXICOLOGICAL INFORMATION

- NOTE: Refer to Section 3

## SECTION 12: ECOLOGICAL INFORMATION

- Aquatic toxicity: no data available
- Persistence and degradability: no data available

## SECTION 13: DISPOSAL CONSIDERATIONS

## SECTION 14: TRANSPORTATION INFORMATION

**UN/ID No. (IMDG)**
-Non Hazmat

**Correct shipping name**
--Non Hazmat

**Class or Division**
- -Non Hazmat

**IMDG Packaging group**

--Non Hazmat

## SECTION 15: REGULATORY INFORMATION

-Not applicable

## SECTION 16: OTHER INFORMATION

October 2019

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

# IDENTIFICATION

## SECTION 1: PRODUCT INFORMATION

**PRODUCT NAME**: ADHLEPOFLEX— **PART B**

| | |
|---|---|
| MANUFACTURER/SUPPLIER: | Adhesiveslab 235 Rayette Rd, Unit #4 Concord, Ontario Canada L4K 2G1 24 |
| HOUR EMERGENCY NUMBER: | 1-800-340-7697 |
| APPLICATION AND USE: | Flexible Epoxy Urethane Floor Paint – Part B |
| PRODUCT DESCRIPTION: | Two-component 100% solid epoxy coating (Amine curative) |

## SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION

-Acute toxicity - Oral Category 4
-Acute toxicity - Dermal Category 4
-Serious eye damage and eye irritation - Category 1B
-Aquatic toxicity acute - Category 1
-Aquatic toxicity chronic - Category 2

GHS LABEL ELEMENTS

Hazard Symbols:

**SIGNAL WORD WARNING**

HAZARD STATEMENTS

- H302+H312 Harmful if swallowed or in contact with skin
- H314 Causes severe skin burns and eye damage
- H317 May cause an allergic skin reaction
- H335: May cause respiratory irritation

PRECAUTIONARY STATEMENTS:

PREVENTION
- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray
- P264 Wash hands thoroughly after handling
- P270 Do not eat, drink, or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area
- P272 Contaminated work clothing should not be allowed out of the workplace
- P280 Wear protective gloves/protective clothing/eye protective/face protection
- P284 Wear respiratory protection.

RESPONSE
- P301+P330+P331: IF SWALLED: rinse mouth. DO NOT induce vomiting.
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- P304+P340+P310: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
- P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTRE/ doctor.
- P308+P313: IF exposed or concerned: Get medical advice/attention
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention
- P363+P364: Take off contaminated clothing and wash before reuse

STORAGE
- P403 + P233 Store in a well ventilated place. Keep container tightly closed

DISPOSAL
- P501 Dispose of contents/container in accordance with local/regional/national/ international regulation.

Disposal: - P501 Dispose of contents/container in accordance with local/regional/national/international regulation. 11) In case of Fire: - Notify your local fire station and inform the location of the fire and characteristics hazard. - Wear appropriate protective equipment WHMIS Classification (Canada): Class D-2B Class E, corrosive

TRANSPORTATION OF DANGEROUS GOODS INFORMATION
Amines, liquid, Corrosive, N.O.S. (Amino Terminated Polyether)

Hazard Class: 8
ID Number: UN 2735
Packing Group: 111

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. | % (weight) | LD/50 Route/Species |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Nonyl Phenol | 25154-52-3 | 5-20 | LD50-1620mg/kg(Rat-Oral) 2140mg/kg(Rabbit-Skin) |
| N-Amino Ethyl Piperazine | 140-31-8 | 1-5 | LD50- 2140mg/kg(Rat-Oral) 880mg/kg(Rabbit-Skin) |
| Benzyl Alcohol | 100-51-6 | 1-3 | LD50-1660mg/kg(Rat-Oral) 760mg/kg (Rabbit Skin) |
| Amino Terminated Polyether | 9046-10-0 | 10-30 | |
| Isophron Diamine (IPD) | 2855-13-2 | 10-30 | |
| Tris 2,4,6 (Dimethyl Aminomethyl) Phenol | 90-72-2 | 1-5 | LD50-1200mg/kg(Oral-Rat) LC50-N/A |
| Diamine adduct | N/A | 5-30 | |
| Polymerized Hydrocarbons | 1302-83-5 | 0-20 | |

## SECTION 4: FIRST-AID MEASURES

EYE CONTACT
-Do not rub your eyes.
-Flush eyes immediately with large amounts of running water for at least 15 minutes while holding eyelids open until irritation subsides. Do not attempt to neutralize with chemical agents. Obtain medical attention immediately

SKIN CONTACT
- Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Laundering enough contaminated clothing before reuse.
- Go to the hospital immediately if symptoms (flare, irritate) occur.
- Wash thoroughly after handling.
- Wash immediately with plenty of soap and water. Remove and clean all contaminated clothing and launder before reuse.

INHALATION

- When exposed to large amounts of steam and mist, move to fresh air.
- Take specific treatment if needed.
- In the case of overexposure, remove to fresh air. Get medical attention if the victim is in respiratory distress.

INGESTION

- About whether I should induce vomiting Take the advice of a doctor
- Rinse your mouth with water immediately.
- If swallowed, drink two glasses of water. Do not induce vomiting. The material is corrosive. Do not give anything to mouth to an unconscious person. Get prompt medical attention.

ADDITIONAL INFORMATION
-Notify medical personnel of contaminated situations and have them take appropriate protective measures.

## SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA
-Dry chemical. Dry sand.
-Avoid use of water jet for extinguishing

SPECIFIC RISKS ARISING FROM THE CHEMICAL SUBSTANCE
-No available

SPECIAL PROTECTION ACTIONS FOR FIREFIGHTERS
- Notify your local fire-station and inform the location of the fire and characteristics hazard.
- Using a unattended and water devices in case of large fire and leave alone to burn if you do not imperative.
- Avoid inhalation of materials or combustion by-products.
- Do not access if the tank on fire.
- Use appropriate extinguishing measure suitable for surrounding fire.
- Keep containers cool with water spray.
- Vapour or gas is burned at distant ignition sources can be spread quickly.

Flashpoint and Method: 75 ºC (T.C.C.)
Auto ignition Temperature: 350 ºC
Flammable Limits: 1.1 - 7% by volume

GENERAL HAZARDS: Combustible liquid; may release vapours that form combustible mixtures at or above the flash point. Toxic gases will form upon combustion.

FIRE FIGHTING: Wear NIOSH-approved self-contained breathing apparatus with independent air supply. Wear complete body protective butyl rubber clothing. Personnel in vicinity and downwind should be evacuated.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, and carbon monoxide, various hydrocarbons, phenol

## SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
-Use self-contained breathing apparatus and chemically protective clothing.
-Evacuate personnel to safe areas

ENVIRONMENTAL PRECAUTIONS
- Prevent runoff and contact with waterways, drains or sewers
- If large amounts have been spilled, inform the relevant authorities.

METHODS TO CLEAN
Large spill: stay upwind and keep out of low areas. Dike for later disposal.
- Notification to central government, local government. When emissions at least of the standard amount
- Dispose of waste in accordance with local regulation.
- Appropriate container for disposal of spilled material collected.

- Small leak: sand or other non-combustible material, please let use absorption.
- Wipe off the solvent
- Dike for later disposal.
- Prevent the influx to waterways, sewers, basements or confined spaces.

PROCEDURE IN CASE OF LEAKS: Prevent spills from entering sewers, watercourses or low areas. Absorb with sand or other absorbent material. Residue may be removed with hot water and detergent. All precautions should be taken when cleaning the spill with solvent.

ENVIRONMENTAL PRECAUTIONS: Avoid discharge to sewers or waterways. Marine Pollutant (Very toxic to aquatic organisms)

SPILL CONTROL AND DISPOSAL: Dispose of sand and rinse water according to municipal, provincial or federal laws for disposal of chemicals.

## SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING
Wash thoroughly after handling
- Avoid direct physical contact
- Avoid contact with incompatible materials.
- Refer to Engineering controls and personal protective equipment.
- Do not inhale the steam prolonged or repeated.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITY
Do not use damaged containers
- Do not apply direct heat
- Save applicable laws and regulations.
- Avoid direct sunlight - Keep in the original container.
- Collected them in sealed container.
- Do not eat, drink or smoke when using this product.
- Store away from water and sewer.

HANDLING STORAGE AND SHIPPING
Keep container closed. Handle and open containers with care. Store in a 6 cool, well ventilated place away from incompatible materials. Do not handle or store near an open flame, sources of heat, or sources of ignition. Protect material from direct sunlight. This product will accumulate static charges which may cause an incendiary electrical discharge. Use proper grounding procedures. Empty product containers may contain product residue. DO NOT REUSE.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
A system of local and/or general exhaust is recommended to keep employee exposure above the Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. The use of local exhaust ventilation is recommended to control emissions near the source

PERSONAL PROTECTION EQUIPMENT

-Respiratory protection: respiratory protection may be required.
- Under conditions of frequent use or heavy exposure, Respiratory protection may be needed.
- Respiratory protection is ranked in order from minimum to maximum.
- Consider warning properties before use. - Any chemical cartridge respirator with organic vapour cartridge(s).
- Any chemical cartridge respirator with a full facepiece and an organic vapour cartridge(s).
- Any air-purifying respirator with a full facepiece and an organic vapour canister.
- For unknown Concentration or Immediately Dangerous to Life or Health: Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full facepiece.

Eye protection
- Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.
- Provide an emergency eye wash station and quick drench shower in the immediate work area.

Hand protection
- Wear appropriate glove.

Skin protection
- Wear appropriate clothing

PERSONAL PROTECTION
The selection of personal protective equipment varies depending upon conditions of use. When handling product wear long sleeves, chemical resistant gloves and safety glasses with side shields. Where splashing during mixing may occur wear full face shield. Where concentrations in air may exceed the occupational exposure limits and where engineering work practices or other means of exposure reduction are not adequate, approved respirators may be necessary to prevent overexposure by inhalation. The respirators may not be necessary for handling the materials in outdoor environment. Eye wash station (sink) or shower facility near the job is recommended in case of emergency.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| |
|---|
| Physical State: Liquid |
| Specific Gravity: 1.08 |
| Vapour Pressure: n/av |
| Solubility in Water: Slight (0.1-1%) |
| Boiling Point: n/av |
| Freezing/Melting Point: n/av |
| Viscosity: 650 cps @ 23°C (73°F) |
| Vapour Density: n/av |
| Evaporation Rate: n/av |
| Volatile: (voc): 10gm./l |

| |
|---|
| Odour: Characteristic amine odour |
| Appearance: Slightly amber liquid |
| Hazardous Air Pollutant: None |

## SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY
-This material is stable under recommended storage and handling conditions.

CONDITIONS TO AVOID
-No data available.

MATERIALS TO AVOID
-Reactive metals (e.g. sodium, calcium, zinc etc.). Materials reactive with hydroxyl compounds.
-Organic acids (i.e. acetic acid, citric acid etc.). Mineral acids. Sodium hypochlorite.
-Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.
-Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.
-Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
- Carbon dioxide
• Carbon monoxide
• Nitrogen oxides
• phenol

## SECTION 11: TOXICOLOGICAL INFORMATION

- NOTE: Refer to Section 3

## SECTION 12: ECOLOGICAL INFORMATION

- Aquatic toxicity: no data available
- Persistence and degradability: no data available

## SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. 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.

## SECTION 14 : TRANSPORTATION INFORMATION

**UN/ID No. (IMDG)**
-UN 2735

**Proper shipping name**
-Amines, liquid, corrosive, n.o.s. (Polyoxypropylenediamine)

**Class or Division**
-8

**Packing group IMDG**
-III

## SECTION 15: REGULATORY INFORMATION

WHIMS (Canada): Class E: Corrosive material

## SECTION 16: OTHER INFORMATION

This SDS is prepared according to the Globally Harmonized System (GHS).

October 2019

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.