

IDENTIFICATION

PRODUCT NAME: ECOLAB-EPOX100 - **PART A**

MANUFACTURER/SUPPLIER: Adhesiveslab 235 Rayette Rd, Unit #4 Concord, Ontario Canada L4K 2G1 24
HOOR EMERGENCY NUMBER: 1-800-340-7697
APPLICATION AND USE: Two-component 100% solids Clear Epoxy Coating (epoxy resin blend).
PRODUCT DESCRIPTION: Clear Epoxy Coating – Part A

HAZARDS IDENTIFICATION

GHS CLASSIFICATION

- Acute toxicity (oral): Category 4
- Skin corrosion/irritation: Category 2
- Skin sensitization: Category 1
- Chronic aquatic toxicity: Category 2

SIGNAL WORD
WARNING



HAZARD STATEMENTS

- H302 Harmful if swallowed
- H315 Causes skin irritation 2
- H317 May cause an allergic skin reaction
- H411 Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

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

RESPONSE

- P332 + P313 If skin irritation occurs: Get medical advice/attention
- P333 + P313 If skin irritation or a rash occurs: Get medical advice/attention

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.

COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	C.A.S. #	Weight	LC/50, Route, Species
Diglycidyl Ether of Bisphenol-A Epoxy	25068-38-6 68609-97-2	60-100 3-10	30g/kg/Oral/rat
Alkyl (C12-C14) Glycidyl Ether Trimethylolpropane triacrylate	15625-89-5	1-10	

SAFETY DATA SHEET**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.

MOST IMPORTANT SYMPTOMS/ EFFECTS, ACUTE OR DELAYED

-Not available.

FIRE-FIGHTING MEASURES

GENERAL FIRE HAZARDS

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

SUITABLE EXTINGUISHING MEDIA

-Dry chemical, carbon dioxide, regular foam extinguishing agent, spray

UNSUITABLE EXTINGUISHING MEDIA

- Avoid use of water jet for extinguishing

SPECIAL PROTECTION EQUIPMENT FOR FIRE FIGHTERS

- Notify your local fire-station and inform the location of the fire and characteristics hazard.
- Using an 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.

HAZARDOUS COMBUSTION PRODUCTS

-Carbon dioxide, and carbon monoxide, various hydrocarbons, phenol.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- Must work against the wind, let the upwind people to evacuate
- Move container to safe area from the leak area.
- Remove all sources of ignition.
- Do not direct water at spill or source of leak
- Avoid skin contact and inhalation.

ENVIRONMENTAL PRECAUTIONS

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

CONTAINMENT AND CLEAN UP

-Large spill: stay upwind and keep out of low areas. Dike for later disposal.

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

- 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.
- Wash thoroughly after handling
- Avoid direct physical contact
- Avoid contact with incompatible materials.

CONDITIONS FOR SAFE STORAGE

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

EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

DIPROPYLENE GLYCOL METHYL ETHER

- Not available

APPROPRIATE ENGINEERING CONTROL

- 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 PROTECTIVE EQUIPMENT

EYE / TYPE

- 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.

RESPIRATORY PROTECTION

- 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 face-piece and an organic vapour cartridge(s).
- Any air-purifying respirator with a full face-piece and an organic vapour canister.
- For unknown Concentration or Immediately Dangerous to Life or Health: Any supplied-air respirator with full face-piece 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 face-piece.

SKIN PROTECTION/ GLOVES/ CLOTHING

- Wear appropriate clothing

OTHER/TYPE

- Not available

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid	Hazardous Air Pollutant: None
Specific Gravity: 1.1	Flashpoint and Method: 31.7 oC (89oF) (T.C.C.)
Solubility in Water: Insoluble	Auto ignition Temperature: N/A
Boiling Point: n/av	Flammable Limits: N/A
Freezing/Melting Point: n/av	Evaporation Rate: n/av
Vapour Pressure: N/A	pH: Neutral 7
Volatile: (voc): approximately zero %	Partition Coefficient (n-octanol/water): N/A
Density: n/av	Odour Threshold: No data available
Odour: pleasant citric odour	Upper flammability or upper explosive limit: N/A
Odour Threshold: N/A	Lower flammability or lower explosive limit: N/A
Appearance: Clear Amber Liquid	Initial boiling point and boiling range: N/A
Viscosity: 3000 cps @ 23oC (73oF)	

STABILITY AND REACTIVITY

REACTIVITY

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

CHEMICAL STABILITY

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

POSSIBILITY OF HAZARDOUS REACTIONS: CONDITIONS TO AVOID

- Hazardous Polymerization will not occur.
- Avoid contact with incompatible materials and condition.
- Avoid: Accumulation of electrostatic charges, Heating, Flames and hot surfaces.

INCOMPATIBLE MATERIALS

- Not available

HAZARDOUS DECOMPOSITION PRODUCTS

- May emit flammable vapour if involved in fire.

ECOLOGICAL INFORMATION

AQUATIC TOXICITY

-No data available

PERSISTENCE AND DEGRADABILITY

-No data available

TRANSPORTATION INFORMATION

Domestic/International Regulation

TDG

Not Regulated

IMDG

Proper Shipping Name : amines, liquid, Corrosive, N.O.S (Amino Terminated Polyether) 13

Division: 8

Packing Group : 3

ID number: UN 2735

Label(s): 8

IATA

Not Regulated

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

PRODUCT NAME: ECOLAB-EPOX100 - **PART B**

MANUFACTURER/SUPPLIER: Adhesiveslab 235 Rayette Rd, Unit #4 Concord,
Ontario Canada L4K 2G1 24

HOOR EMERGENCY NUMBER: 1-800-340-7697

APPLICATION AND USE: Two-component 100% solids Clear Epoxy
Coating (epoxy resin blend).

PRODUCT DESCRIPTION: Clear Epoxy Coating – Part B

HAZARDS IDENTIFICATION

GHS CLASSIFICATION

- Acute toxicity (oral): Category 4
- Skin corrosion/irritation: Category 4
 - Skin sensitization: Category 1B
 - Serious Eye Damage: Category 1
 - Reproductive toxicity: Category 2

SIGNAL WORD WARNING



HAZARD STATEMENTS

- H302+H312 Harmful if swallowed or in contact with skin
- H314 Causes severe skin burns and eye damage 12
- 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 SWALLOWED: 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.

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

COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	C.A.S. #	Weight
Nonyl Phenol	25154-52-3	15-40
N-Amino Ethyl Piperazine	140-31-8	7-13
Amino Terminated Polyether	9046-10-0	15-40
Benzyl Alcoholtriacrylate	100-51-6	30-60
Isophron Diamine (IPD)	2855-13-2	10-20
Epoxy Polyamine Adduct	N/A	20-50

SAFETY DATA SHEET

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.

MOST IMPORTANT SYMPTOMS/ EFFECTS, ACUTE OR DELAYED

- Not available.

FIRE-FIGHTING MEASURES

GENERAL FIRE HAZARDS

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

SUITABLE EXTINGUISHING MEDIA

- Dry chemical, carbon dioxide, regular foam extinguishing agent, spray

UNSUITABLE EXTINGUISHING MEDIA

- Dry chemical, carbon dioxide, regular foam extinguishing agent, spray

Avoid use of water jet for extinguishing

SPECIAL PROTECTION EQUIPMENT FOR FIRE FIGHTERS

- A face shield should be worn
- Use personal protective equipment
- Wear self contained breathing apparatus for fire fighting if necessary

HAZARDOUS COMBUSTION PRODUCTS

-Carbon dioxide, and carbon monoxide, various hydrocarbons, phenol.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- Must work against the wind, let the upwind people to evacuate
- Move container to safe area from the leak area.
- Remove all sources of ignition.
- Do not direct water at spill or source of leak
- Avoid skin contact and inhalation.

ENVIRONMENTAL PRECAUTIONS

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

CONTAINMENT AND CLEAN UP

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

Extinguish and eliminate source of ignition until area is determined to be free from explosion or fire hazards. Prevent spills from entering sewers, watercourses or low areas. Absorb with sand or other absorbent material (do not use sawdust). Residue may be removed with hot water and detergent. Flush small spills with water.

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

- 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.
- Wash thoroughly after handling
- Avoid direct physical contact
- Avoid contact with incompatible materials.

CONDITIONS FOR SAFE STORAGE

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

EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

DIPROPYLENE GLYCOL METHYL ETHER

- Not available

APPROPRIATE ENGINEERING CONTROL

- 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 PROTECTIVE EQUIPMENT

EYE / TYPE

- 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.

RESPIRATORY PROTECTION

- 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 face-piece and an organic vapour cartridge(s).
- Any air-purifying respirator with a full face-piece and an organic vapour canister.
- For unknown Concentration or Immediately Dangerous to Life or Health: Any supplied-air respirator

with full face-piece 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 face-piece.

SKIN PROTECTION/ GLOVES/ CLOTHING

-Wear appropriate clothing

OTHER/TYPE

-Not available

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Specific Gravity: 0.97

Vapour Pressure: n/av

Solubility in Water: Slight

Boiling Point: n/av

Freezing/Melting Point: n/av

Viscosity: 100 cps 23°C (73°F)

Vapour Density: n/av

Evaporation Rate: n/av

Volatile: (voc): zero %

Odour: Characteristic amine odour

Appearance: Clear

Hazardous Air Pollutant: None

Flashpoint and Method: 75 °C (T.C.C.)

Auto ignition Temperature: 350°C

Flammable Limits: 1.1 - 7% by volume

pH: Alkaline (10-11)

Partition Coefficient (n-octanol/water): N/A

Odour Threshold: No Data Available

Upper flammability or upper explosive limit: N/A

Lower flammability or lower explosive limit: N/A

STABILITY AND REACTIVITY

REACTIVITY

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

CHEMICAL STABILITY

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

POSSIBILITY OF HAZARDOUS REACTIONS: CONDITIONS TO AVOID

-Hazardous Polymerization will not occur.

-Avoid contact with incompatible materials and condition.

-Avoid: Accumulation of electrostatic charges, Heating, Flames and hot surfaces.

INCOMPATIBLE MATERIALS

-Not available

HAZARDOUS DECOMPOSITION PRODUCTS

-May emit flammable vapour if involved in fire.

ECOLOGICAL INFORMATION

AQUATIC TOXICITY

-No data available

PERSISTENCE AND DEGRADABILITY

-No data available

TRANSPORTATION INFORMATION

Domestic/International Regulation

TDG

Proper Shipping Name : amines, liquid, Corrosive, N.O.S (Amino Terminated Polyether) 13
Division: 8 Packing Group : 3 ID number: UN 2735 Label(s): 8

IMDG

Proper Shipping Name : amines, liquid, Corrosive, N.O.S (Amino Terminated Polyether) 13
Division: 8 Packing Group : 3 ID number: UN 2735 Label(s): 8

IATA

Proper Shipping Name : amines, liquid, Corrosive, N.O.S (Amino Terminated Polyether) 13
Division: 8 Packing Group : 3 ID number: UN 2735 Label(s): 8

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