IDENTIFICATION

PRODUCT NAME: ADHL-EPOX-FAST / Fast Cure Epoxy - 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: Clear Epoxy Coating

PRODUCT DESCRIPTION: Two-component 100% solids Clear Epoxy Coating (epoxy resin blend)

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
- 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 protection/face protection
- 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
- P403 + P233 Store in a well ventilated place. Keep container tightly closed

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

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

IN CASE OF FIRE:
- Notify your local fire station and inform the location of the fire and characteristics hazard.
- Wear appropriate protective equipment
FIRST-AID MEASURES

EYE CONTACT
- Cause irritation, experienced as pain, with excess blinking and tear production

SKIN CONTACT
- Causes skin irritation. It may cause skin sensitization.
- 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
- 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.

INGESTION
- Acute (brief exposure): Low toxicity causes irritation. Chronic (prolonged exposure): causes burning of mouth, throat, and stomach, nausea, vomiting, and diarrhea
- 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.
- Not available.

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

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Specific Gravity: 1.16
Solubility in Water: Insoluble
Boiling Point: n/av
Freezing/Melting Point: n/av
Viscosity: 3000 cps @ 23°C (73°F)
Evaporation Rate: n/av
Volatile: (voc): zero%
Vapour Density: n/av
Odour: pleasant citric odour
Appearance: Clear Amber Liquid
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

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.

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.

HAZARDOUS COMBUSTION PRODUCTS

- Carbon dioxide, and carbon monoxide, various hydrocarbons, phenol.
Flashpoint and Method: 31.7 C/ 89 F (T.C.C.)
Auto ignition Temperature: Not applicable
Flammable Limits: Not Available

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

ENVIRONMENTAL PRECAUTIONS: Avoid discharge to sewers or waterways.

CONTAINMENT AND CLEAN UP

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

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

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

SKIN PROTECTION/ GLOVES/ CLOTHING .... - Wear appropriate glove.
OTHER/TYPE ........................................... - Wear appropriate clothing
**STABILITY AND REACTIVITY**

**REACTIVITY** ...........................................This material is stable under recommended storage and handling conditions.
- Hazardous Polymerization will not occur.
- Avoid contact with incompatible materials and condition.
- Avoid: Accumulation of electrostatic charges, Heating, - Flames and hot surfaces.

**ECOLOGICAL INFORMATION**

AQUATIC TOXICITY.................................................no data available
PERSISTENCE AND DEGRADABILITY.......................... no data available

**TRANSPORTATION INFORMATION**

Keep container closed. Handle and open containers with care. Store in a 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

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.
PRODUCT NAME: ADHL-EPOX-FAST / Fast Cure Epoxy - 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: Clear Epoxy Coating

PRODUCT DESCRIPTION: Two-component 100% solids Clear Epoxy Coating (Amine curative)

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
- 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.
- 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

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.
FIRST-AID MEASURES

EYE CONTACT
- Cause irritation, experienced as pain, with excess blinking and tear production

SKIN CONTACT
- Causes skin irritation. It may cause skin sensitization.
- 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
- 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.

INGESTION
- Acute (brief exposure): Low toxicity causes irritation. Chronic (prolonged exposure): causes burning of mouth, throat, and stomach, nausea, vomiting, and diarrhea
- 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.

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 |
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.

- Dry chemical, carbon dioxide, regular foam extinguishing agent, spray
- Avoid use of water jet for extinguishing

SUITEABLE EXTINGUISHING MEDIA

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.

SPECIAL PROTECTION EQUIPMENT FOR FIRE FIGHTERS

- Notify your local firestation 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.

HAZARDOUS COMBUSTION PRODUCTS

- Carbon dioxide, and carbon monoxide, various hydrocarbons, phenol.
Flashpoint and Method: 75 °C (T.C.C.)
Auto ignition Temperature: 350°C
Flammable Limits: 1.1 - 7% by volume

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

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

ENVIRONMENTAL PRECAUTIONS: Avoid discharge to sewers or waterways.

CONTAINMENT AND CLEAN UP

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

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

- 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 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.

SKIN PROTECTION/ GLOVES/ CLOTHING ...
OTHER/TYPE ...........................................
- Wear appropriate glove.
- Wear appropriate clothing
EFFECT OF OVEREXPOSURE

INHALATION: In the case of overexposure, remove to fresh air. Get medical attention if the victim is in respiratory distress.

EYE CONTACT: 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: Wash immediately with plenty of soap and water. Remove and clean all contaminated clothing and launder before reuse.

INGESTION: 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.

STABILITY AND REACTIVITY

REACTIVITY ..........................................................This material is stable under recommended storage and handling conditions.
- Hazardous Polymerization will not occur.
- Avoid contact with incompatible materials and condition.
- Avoid: Accumulation of electrostatic charges, Heating, Flames and hot surfaces.

ECOLOGICAL INFORMATION

AQUATIC TOXICITY...................................................no data available
PERSISTENCE AND DEGRADABILITY....................... no data available

TRANSPORTATION INFORMATION

Keep container closed. Handle and open containers with care. Store in a 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

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.