IDENTIFICATION

PRODUCT NAME: ADHL-POLYBINDER

MANUFACTURER/SUPPLIER: Adhesiveslab 235 Rayette Rd, Unit #4 Concord, Ontario Canada L4K 2G1 24
HOUR EMERGENCY NUMBER: 1-800-340-7697
APPLICATION AND USE: Rubber granules combined with a polyurethane binder.
PRODUCT DESCRIPTION: EPDM Rubber Polybinder

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

H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

PREVENTION
Keep out of reach from children.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves / eye protection / face protection.
P284 [In case of inadequate ventilation] wear respiratory protection.

P302+P352 If on skin: Wash with plenty of water.
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.
P312 Call a poison center/doctor if you feel unwell.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor
P363 Wash contaminated clothing before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

- NFPA ratings (scale 0 - 4)

  ![NFPA Rating]
  Health = 3
  Fire = 1
  Reactivity = 0

- HMIS-ratings (scale 0 - 4)

  ![HMIS Rating]
  Health = *3
  Fire = 1
  Reactivity = 0

- Other hazards
  Results of PBT and vPvB assessment
  PBT: Not applicable.
  vPvB: Not applicable.

### COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>C.AS. #</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4’methylenedi(cyclohexyl isocyanate)</td>
<td>5124-30-1</td>
<td>10-30</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

FIRST-AID MEASURES

GENERAL INFORMATION
Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

EYE CONTACT
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

SKIN CONTACT
Immediately wash with water and soap and rinse thoroughly.

INHALATION
Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

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
- Use fire fighting measures that suit the environment.

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.
- Mouth respiratory protective device.

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

**ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**
-Avoid skin contact and inhalation.

**ENVIRONMENTAL PRECAUTIONS**
-Do not allow to enter sewers/ surface or ground water.

**CONTAINMENT AND CLEAN UP**
-Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
-Dispose contaminated material as waste according to item.
-Ensure adequate ventilation.

**HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**
-Ensure good ventilation/exhaustion at the workplace.
-Prevent formation of aerosols.

**CONDITIONS FOR SAFE STORAGE**
-Requirements to be met by storerooms and receptacles: No special requirements.
-Information about storage in one common storage facility: Not required.
-Further information about storage conditions: Keep receptacle tightly sealed.
-Specific end use(s) No further relevant information available.

**EXPOSURE CONTROLS / PERSONAL PROTECTION**

**COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:**

124-30-1 4,4’-methylenedi (cyclohexyl isocyanate)
REL-Ceiling limit value: 0.11 mg/m3, 0.01 ppm
TLV-Long-term value: 0.054 mg/m3, 0.005 ppm

**PERSONAL PROTECTIVE EQUIPMENT**

General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
EYE / TYPE
-Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.

RESPIRATORY PROTECTION
-During mixing, handling and application: Splash goggles. Full protective clothing. Gloves (impervious). When air concentrations are not known (or above the TLV), an air-supplied respirator is required. Refer to OSHA Respiratory Protection Standard (29 CFR 1910.134).

-In presence of air movement, air-purifying (cartridge type) respirators are not the best protection but can be used, if you replaced them frequently. Change cartridges after 8h max or less due to their low warning properties. When in a confined space wear MSHA/NIOSH approved self- contained breathing apparatus or equivalent and full protective gear.

SKIN PROTECTION/ GLOVES/ CLOTHING
-The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

-Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

PENETRATION TIME OF GLOVE MATERIAL
-The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Fluid</td>
</tr>
<tr>
<td>Color</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odor</td>
<td>Light</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting point/Melting range</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>251 °C (483.8 °F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>132 °C (269.6 °F)</td>
</tr>
<tr>
<td>Flammability (solid, gaseous)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto igniting</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>Density at 20 °C (68 °F)</td>
<td>Relative density</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>1.54 g/cm³ (12.8513 lbs/gal)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Dynamic: Not determined.</td>
</tr>
<tr>
<td>Viscoentaly</td>
<td>Kinematic: Not determined.</td>
</tr>
<tr>
<td>0.68 %</td>
<td>VOC content</td>
</tr>
<tr>
<td>10.5 g/l / 0.09 lb/gal</td>
<td>Other information</td>
</tr>
<tr>
<td>No further relevant information available.</td>
<td></td>
</tr>
</tbody>
</table>
STABILITY AND REACTIVITY

REACTIVITY: No further relevant information available.

CHEMICAL STABILITY: Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reactions known.

CONDITIONS TO AVOID: No further relevant information available.

INCOMPATIBLE MATERIALS: No further relevant information available.

HAZARDOUS DECOMPOSITION PRODUCTS: No dangerous decomposition products known.

TOXICOLOGICAL INFORMATION

PRIMARY IRRITANT EFFECT
On the skin: Irritant to skin and mucous membranes.
On the eye: Irritating effect.

SENSITIZATION:
Sensitization possible through inhalation.
Sensitization possible through skin contact.

ADDITIONAL TOXICOLOGICAL INFORMATION:
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant

ECOLOGICAL INFORMATION

Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behaviour in environmental systems:
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:

General notes:
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

**TRANSPORTATION INFORMATION**

**Domestic/International Regulation**

UN-Number
DOT, ADR, ADN, IMDG, IATA Void

UN proper shipping name
DOT, ADR, ADN, IMDG, IATA Void

Transport hazard class(es)
DOT, ADR, ADN, IMDG, IATA
Class Void

Packing group
DOT, ADR, IMDG, IATA Void

Environmental hazards:
Marine pollutant: No

Special precautions for user: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
UN "Model Regulation": Void

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.