IDENTIFICATION

PRODUCT NAME: ADHL-XGUARD

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

HOUR EMERGENCY NUMBER: 1-800-340-7697

APPLICATION AND USE: Water based protective treatment sealer for plain, coloured or stained concrete surfaces.

PRODUCT DESCRIPTION: Single component (Water Based) high gloss sealer.

HAZARDS IDENTIFICATION

GHS CLASSIFICATION
- Acute toxicity, oral (Category 4)
- Skin irritant, (Category 2)
- Eye irritant, (Category 2)
- Reproductive toxicity (Category 1)

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

HAZARD STATEMENTS
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H320 Causes eye irritation.
- H335 May cause respiratory irritation.
- H361 Suspected of damaging fertility or the unborn child.

PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS
PREVENTION
P280 Wear protective gloves/clothing/eye protection.
P270 Do not eat, drink or smoke when using this product.
P260 Do not breath mist/vapours

RESPONSE
P302+P362+P352 IF ON SKIN: Take off contaminated clothing. Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALLED: Remove person to fresh air and keep comfortable for breathing.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
OTHER HAZARDS
Immediately seek medical advice or attention if symptoms are significant or persist.

COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>%</th>
<th>C.AS. #</th>
<th>LD/50, Route, Species</th>
<th>LC/50, Route, Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene Glycol Methyl ether</td>
<td>3-7</td>
<td>34590-94-8</td>
<td>5130 mg/Kg (Oral-Rat)</td>
<td>&gt;500 ppm (Inhalation -Rat)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9500 mg/Kg (Dermal Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Diethylene Glycol Monoethyl ether</td>
<td>1-5</td>
<td>111-90-0</td>
<td>7500 mg/Kg (Oral-Rat)</td>
<td>Not available</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10300 mg/Kg (Dermal Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Dibutyl Phthalate</td>
<td>0.5-1</td>
<td>84-74-2</td>
<td>8000 mg/Kg (Oral-Rat)</td>
<td>4250 mg/m³ (Inhalation-Rat)</td>
</tr>
</tbody>
</table>

SAFETY DATA SHEET

FIRST-AID MEASURES

FIRST-AID MEASURES
EYE CONTACT
Immediately flush eyes with water for 15 minutes holding open eyelids. Seek immediate medical attention if irritation persists.

SKIN CONTACT
Flush with large amounts of water. Use mild soap if available. Remove severely contaminated clothing (including shoes) and wash before reuse.

INHALATION
Remove victim to fresh air if inhalation of mist occurs.

INGESTION
If victim is still conscious, give 2 glasses of water. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

ADDITIONAL INFORMATION
In all cases, if irritation persists seek medical attention.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE OR DELAYED
May cause skin and eye irritation.

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED
Get medical attention if symptoms occur.
FIRE-FIGHTING MEASURES

GENERAL FIRE HAZARDS
This product is non-combustible, but if temperatures are high enough it will boil until water is driven off then the remaining resin solids will burn.

SUITABLE EXTINGUISHING MEDIA
Treat for surrounding materials. Use water to extinguish fire of polymer solids.

UNSUITABLE EXTINGUISHING MEDIA
No data available.

SPECIAL PROTECTION EQUIPMENT FOR FIRE FIGHTERS
A self-contained breathing apparatus should be used for all indoor fires.

HAZARDOUS COMBUSTION PRODUCTS
Toxic gases may be formed during fire, fumes, carbon oxides.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
Area of spill will be slippery. Use care to avoid falling. Stop leak and isolate spill. Do not get in eyes, skin or clothing. Use appropriate personal protection equipment (PPE).

ENVIRONMENTAL PRECAUTIONS
Do not flush spilled product into storm sewers, sanitary sewers, or water courses.

CONTAINMENT AND CLEAN UP
Soak up the product with dry sand, earth or some other inert materials.

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING
Keep containers closed when not in use. Empty product containers may contain product residue. Do not reuse to store foodstuffs or drinking water under any conditions.

CONDITIONS FOR SAFE STORAGE
Do not allow this product to freeze. Store under normal warehouse conditions. Protect from freezing (min/max: 5/30°C)
## Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH OEL</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene Glycol Methyl Ether</td>
<td>TWA 100 ppm (Skin)</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
<tr>
<td></td>
<td>STEL 150 ppm (Skin)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diethylene Glycol Monoethyl Ether</td>
<td>N/Av</td>
<td>N/Av</td>
<td>140 mg/m³ (25 ppm)</td>
</tr>
<tr>
<td>Dibutyl Phthalate</td>
<td>5 mg/m³</td>
<td>5 mg/m³</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

### Appropriate Engineering Control

General dilution and local exhaust as necessary to control airborne vapours or mists below appropriate airborne concentration standards/guidelines.

### Personal Protective Equipment

**Eye / Type**

Chemical safety goggles with side shields if a splash hazard exists.

**Respiratory Protection**

For operations where inhalation exposure can occur, a NIOSH approved respirator may be necessary.

**Skin Protection / Gloves / Clothing**

Wear suitable gloves, PVC or nitrile rubber. Wear adequate protective clothes.

**Other / Type**

Portable eye wash stations should be made available at all jobs sites.

## Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Milky White Liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight Ammonia Odour</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH Level</td>
<td>9.25</td>
</tr>
<tr>
<td>Evaporation Rate (n-Butyl Acetate=1)</td>
<td>Not Available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;100°C (212°F)</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>0°C (32°F)</td>
</tr>
<tr>
<td>Flash Point (deg C), Method</td>
<td>Non-combustible</td>
</tr>
<tr>
<td>Flammable Limits In Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto Ignition Temperature (deg C)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Density (Air=1)</td>
<td>&gt;1.0</td>
</tr>
<tr>
<td>Solubility In Water</td>
<td>Infinite</td>
</tr>
<tr>
<td>Specific Gravity @20°C (68°F)</td>
<td>1.02-1.03</td>
</tr>
<tr>
<td>Viscosity (Brookfield)</td>
<td>10 cPs</td>
</tr>
<tr>
<td>% Volatile</td>
<td>78-85%</td>
</tr>
<tr>
<td>V.O.C. Content</td>
<td>&lt; 350 grams/L</td>
</tr>
</tbody>
</table>
STABILITY AND REACTIVITY

REACTIVITY
No data available.

CHEMICAL STABILITY
Material is stable under normal use conditions.

POSSIBILITY OF HAZARDOUS REACTIONS
Hazardous polymerization will not occur under normal conditions.

CONDITIONS TO AVOID
Do not allow the product to freeze.

INCOMPATIBLE MATERIALS
Avoid contact with acidic or basic compounds.

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon oxides (CO, CO2), smoke.

TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY (LD50)
Refer to Section 3.

EXPOSURE ROUTES/ SYMPTOMS AND EFFECTS INGESTION
May be ingested by accident. Slightly toxic. May produce signs of intoxication characterized by dizziness, drowsiness, headache, nausea, mental confusion, possible slurred speech and stupor depending on the quantity of material ingested. Severe kidney damage results upon ingestion of large volumes of the product.

INHALATION
This product is water based and has very low volatility. No health hazard from inhalation of vapour under normal conditions of use. However, breathing of mist may be irritating to the nose and throat. Avoid all inhalation of mist.

EYE CONTACT
Irritating, causing redness and swelling of the conjunctiva after severe exposure.

SKIN CONTACT
Brief contact is not irritating but continuous exposure may irritate the skin. Prolonged or widespread skin contact may result in the absorption of potentially harmful amounts of material.

CARCINOGENICITY OF MATERIAL
This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.
### TERATOGENICITY
Not applicable.

### MUTAGENICITY
Not applicable.

### REPRODUCTIVE EFFECTS
This material contains small amounts of Dibutyl Phthalate which is suspected of damaging the fertility or the unborn child.

### ECOLOGICAL INFORMATION

#### ECOTOXICITY
No data available.

#### PERSISTENCE AND DEGRADABILITY
This product is not expected to persist in the environment.

#### BIOACCUMULATIVE POTENTIAL
No data available.

#### MOBILITY IN THE SOIL
No data available.

### DISPOSAL CONSIDERATIONS

#### PRODUCT DISPOSAL
Recover and recycle if possible. Otherwise: incineration in a permitted facility. Spilled material and water rinses waste must be disposed of in accordance with current, local, provincial and federal regulations. Do not allow product to enter sewers, streams or lakes.

#### WASTE DISPOSAL
Empty, dry containers of this product can be disposed of as normal garbage.

### TRANSPORTATION INFORMATION

#### Domestic/International Regulation

#### TDG
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.