PRODUCT: PAVING STONE SEALER

SECTION 1: MATERIAL IDENTIFICATION AND USE

TDG CLASSIFICATION ................................................... Not regulated
UN NUMBER ................................................................. Flammable Liquid UN1268
PACKING GROUP ........................................................... Packing Group III
WHMIS CLASSIFICATION ............................................. B2  D2A  D2B
CHEMICAL FORMULA .................................................... Not applicable
CHEMICAL FAMILY ......................................................... Acrylic Resin Solution
MOLECULAR WEIGHT .................................................... Not applicable
MATERIAL USE ............................................................... Paving Stone Sealer

SECTION 2: HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>%</th>
<th>CAS#</th>
<th>LD₅₀ (species &amp; route)</th>
<th>LC₅₀ (species &amp; route)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic Resin</td>
<td>22-27% High Gloss 10-15% Semi Gloss</td>
<td>ACR CAS</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TBAC (Tert Butyl Acetate)</td>
<td>36-45%</td>
<td>108-88-3</td>
<td>5500-7300 mg/kg (oral, rat)</td>
<td>8000 ppm/4h</td>
</tr>
<tr>
<td>DMC (Dimethyl Carbonate)</td>
<td>36-45%</td>
<td>616-38-6</td>
<td>9000 mg/kg (oral, rat)</td>
<td>&gt; 5000 mg/kg (Rabbit, skin)</td>
</tr>
</tbody>
</table>

SECTION 3: PHYSICAL DATA

APPEARANCE ................................................................ Water white, viscous liquid
ODOUR ............................................................................. Solvent odour
FREEZING POINT (°C) ..................................................... Not available
BOILING POINT (°C) ..................................................... 232 °F
ODOUR THRESHOLD ( ppm) .............................................. Not available
VAPOUR PRESSURE ( mm HG) ........................................... 54 mm/Hg at 70°F (Toluene)
VAPOUR DENSITY (air=1) ................................................ 3.2
PERCENT VOLATILE ...................................................... Not available
EVAPORATION RATE (nBuAc=1) ...................................... Not available
pH .............................................................................. Not available
SPECIFIC GRAVITY (water=1) ........................................ 0.9
COEFF. OF WATER/OIL DISTRIBUTION ............................ Not available
SOLUBILITY IN WATER .................................................. Insoluble

SECTION 4: FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA .................................................. Water spray, foam, alcohol foam, CO₂, dry chemical.
SPECIAL PROCEDURES .................................................. Wear goggles and positive pressure, self-contained breathing apparatus.
FIRE and EXPLOSION HAZARDS .................................... Explosive mixtures can form with air, toxic fumes are released in fire situation, vapours may travel to the source of ignition and then flash back.
SENSITIVITY TO MECHANICAL IMPACT .............................. Not available
CHEMICAL STABILITY ................................................... Stable under normal storage conditions. Avoid excessive heat, open flames, ignition sources.
INCOMPATABILITY ........................................................ (Specific Materials To Avoid) Oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS ............. Thermal decomposition may yield acrylic monomers
HAZARDOUS POLYMERIZATION ................................. Will not occur.

SECTION 5: REACTIVITY DATA

CHEMICAL STABILITY ................................................... Stable under normal storage conditions. Avoid excessive heat, open flames, ignition sources.
INCOMPATABILITY ........................................................ (Specific Materials To Avoid) Oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS ............. Thermal decomposition may yield acrylic monomers
HAZARDOUS POLYMERIZATION ................................. Will not occur.

SECTION 6: TOXICOLOGICAL EFFECTS

ROUTES OF ENTRY:
INGESTION .......................................................... Harmful if swallowed can cause gastro-intestinal track irritation, nausea, vomiting and diarrhea.
SKIN ABSORPTION ............................................. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.
SKIN CONTACT ............................................. Prolonged exposure may cause skin irritation.
EYE CONTACT ............................................... May cause severe irritation with corneal injury. Vapours may irritate eyes. May cause lachrymation (tears)
INHALATION .......................................................... Excessive vapour concentrations are attainable and could be hazardous on single exposure. Signs and symptoms of excessive exposure may be anaesthetic or narcotic effects. Excessive exposure may cause irritation to upper respiratory tract, headache, nausea, vomiting, dizziness and drowsiness. Inhalation of high solvent vapour or mist may cause death.

CARCINOGENICITY ............................................. None
REPRODUCTIVE TOXICITY ....................................... Showed effects on fetus of lab animals
SYSTEMATIC & OTHER EFFECTS ................................ Prolonged or repeated overexposure to solvents can cause the following: Irritation of the respiratory track, enlarged liver, kidney effects, cardiac sensitization.

EXPOSURE LIMIT OF MATERIAL
THRESHOLD LIMIT VALUE ........................................ 50 ppm (ACG111-TLV & OSHA PEL)
LD_{50} OF MATERIAL ........................................... Not known
LC_{50} OF MATERIAL ........................................... Not known

SECTION 7: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:
GLOVES ............................................................. Rubber or PVA Gloves
RESPIRATOR ........................................................ Atmosphere levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator.
LEAK and SPILL PROCEDURES
Soak up spills in absorbent material such as sand and collect suitable containers. Residual resin may be removed using steam or hot soapy water. Solvents are not recommended for clean up unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. For large spills, evacuate upwind of spills and contain dike.

WASTE DISPOSAL
Resin can be disposed of through burning in an adequate incinerator or burying in an approved landfill in accordance with federal, state/provincial and local regulations.

HANDLING PROCEDURES and EQUIPMENT
Treat as flammable liquid: keep heat, flame, or spark inducing equipment away. Protect personnel from vapours. Practice good care and caution to avoid skin and eye contact and to avoid breathing vapours. Eye wash fountain should be located in immediate work area.

STORAGE REQUIREMENTS
Keep containers closed when not in use. Ground all equipment to avoid static accumulation. Do not cut, drill or weld in the storage area.

SPECIAL SHIPPING INFO.
Keep container tightly closed.

SECTION 8: FIRST AID MEASURES

EYE CONTACT
Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical professional.

SKIN CONTACT
Remove contaminated clothing. Wash off in flowing water and soap or shower.

INGESTION
Do not induce vomiting. Call a physician and/or transport to emergency facility. If breathing is difficult, give oxygen. Call a physician.

INHALATION
Remove to fresh air. If breathing is difficult, oxygen may be given. Seek medical attention.

SOURCES USED
Raw materials and suppliers data sheets

ADDITIONAL INFORMATION
NOTE TO PHYSICIAN: The decision of whether to induce vomiting or not should be made by the attending physician. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to the reactions of the patient.

SECTION 9: PREPARATION DATE OF SDS

ORIGINAL PREPARATION BY
LINO TATONE

DATE
JANUARY 01, 2019

This information herein is given in good faith but no warranty, expressed or implied, is made.