SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Chisel Oven Cleaner
GENERAL/GENERIC NAME:
PRODUCT USE: High viscosity caustic cleaner
EFFECTIVE DATE: August 21, 2014
VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.
9 City View Drive, Etobicoke, Ontario M9W 5A5
24 HOUR EMERGENCY NO. 613-996-6666

SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>%W/W</th>
<th>CAS.NO</th>
<th>TLV</th>
<th>LD50 / LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Hydroxide</td>
<td>20 – 30</td>
<td>1310-58-3</td>
<td>2mg/m3</td>
<td>Oral 365 mg/kg (rat)</td>
</tr>
<tr>
<td>Glycol Ether DM</td>
<td>1 – 10</td>
<td>111-77-3</td>
<td>ND</td>
<td>ND</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>1 – 5</td>
<td>57-55-6</td>
<td>ND</td>
<td>ND</td>
</tr>
</tbody>
</table>

SECTION 3 – HAZARDS IDENTIFICATION

Route of Entry:
Skin Contact: Cause burns.
Eye Contact: Causes burns.
Inhalation: Causes burns.
Ingestion: Causes burns.
Effects of Acute Exposure: (see section 11 for Toxicological information).

SECTION 4 – FIRST AID

Eyes: Flush with running water for at least 15 minutes while holding eyelids open. Get medical attention.
Skin Contact: Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use. Seek medical attention if skin is burned or symptoms continue.
Inhalation: Remove victim to fresh air. Aid in breathing if necessary. If breathing stops, administer artificial respiration. Seek medical attention. Effects may be delayed for a few hours and aggravated by physical exertion.
Ingestion: Give plenty of water to drink to dilute stomach contents. Do not induce vomiting. Seek immediate medical attention.

Note to Physician: Risk of corneal injury and possible blindness if splashed into eyes.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: Not Applicable
FLAMMABLE LIMITS: Not Applicable
AUTO-IGNITION TEMP: Not Applicable
EXTINGUISHING MEDIA: As for surrounding fire.
SPECIAL FIREFIGHTING PROCEDURES: Contact with soft metals such as aluminum and galvanized can
EXPLOSION DATA: Not Applicable
HAZARDOUS COMBUSTION PRODUCTS: Not Applicable

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak/Spill: Contain spill; absorb onto inert material.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures: Avoid all skin contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. Keep container closed when not in use.
SECTION 8 – EXPOSURE CONTROLS

PROTECTIVE EQUIPMENT TO BE USED:
RESPIRATORY PROTECTION: Not normally required. Wear NIOSH approved respirator if vapour in air causes irritation.
VENTILATION: General ventilation adequate.
PROTECTIVE GLOVES: Rubber or Nitrile
EYE PROTECTION: Wear goggles or full face shield
OTHER PROTECTIVE MEASURES: As needed to prevent contact with clothing.

SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid
APPEARANCE AND ODOR: Dark viscous liquid, Mild odour
ODOR THRESHOLD: Not Available
SPECIFIC GRAVITY: 1.23
VAPOUR PRESSURE: As water
VAPOUR DENSITY: As water
PH: 14
EVAPORATION RATE: As water
INITIAL BOILING POINT: 102°C
WATER SOLUBILITY: Complete
FREEZING POINT: Not Available

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable
INCOMPATIBILITY: Do not mix with acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Contact with aluminum, zinc, tin or galvanized metals.

SECTION 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: ACGIH TLV-TWA-Potassium Hydroxide 2mg/M³
EFFECTS OF ACUTE EXPOSURE: Will aggravate pre-existing dermatitis
SKIN CONTACT: Corrosive. Causes burns and irritation
EYE CONTACT: Corrosive. Causes burns.
INHALATION: Spray mist irritating; Possible tissue damage. Not a likely route of entry because of the viscous nature of the product.

INGESTION: Corrosive. Causes burns to mouth, throat and esophagus.

EFFECT OF CHRONIC EXPOSURE: No Data Available
IRRITANCY OF PRODUCT: Serious irritant
CARCINOGENICITY: None
SENSITIZATION TO MATERIAL: Not Available
REPRODUCTION TOXICITY: None
TERATOGENICITY: Not Available
MUTAGENICITY: Not Available

SECTION 12 – ECOLOGICAL CONSIDERATION

No permanent effects on ecosystems.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: In accordance with federal, provincial or local government requirements.

SECTION 14 – TRANSPORT INFORMATION
SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: D2B, E

SECTION 16 – OTHER INFORMATION

Prepared by: Lab Personnel  Phone: (416) 744-2120  Website: www.alpinechem.com

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