

# SAFETY DATA SHEET

## HAMMER OVEN CLEANER

### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: HAMMER OVEN CLEANER  
 PRODUCT USE: Oven Cleaner.  
 VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.  
 9 City View Drive, Etobicoke, Ontario M9W 5A5  
 24 HOUR EMERGENCY NO. 613-996-6666 ( CANUTEC )

### SECTION 2 – HAZARDS IDENTIFICATION

#### CLASSIFICATION

- SKIN CORROSION /IRRITATION Category 1, EYE DAMAGE IRRITATION Category 1

#### LABEL ELEMENTS



- SIGNAL WORD: DANGER
- HAZARD STATEMENT(S): CAUSES SEVERE SKIN BURNS AND EYE DAMAGE, HARMFUL IF INHALED.
- PRECAUTIONARY STATEMENTS: Wash skin thoroughly after handling. Wear chemical safety glasses and nitrile gloves. Do not mix with acids. Dispose of contents/ containers in accordance with local regulations.
- Response: - IF ON EYES: Wash with plenty of water. Get medical attention.

IF SWALLOWED: Immediately call a poison center or doctor. Rinse mouth.

IF ON SKIN: Wash with plenty of water. Get medical attention. Take off contaminated clothes and wash it before reuse.

### SECTION 3 – COMPOSITION / INFORMATION INGREDIENTS

| CHEMICAL NAME       | %     | CAS.NO     |
|---------------------|-------|------------|
| Potassium Hydroxide | 6     | 1310-58-3  |
| Monoethanol Amine   | 1-5   | 141-43-5   |
| Glycol ether DPM    | 10-30 | 34590-94-8 |

### SECTION 4 – FIRST AID MEASURES

**Inhalation:** Remove source of exposure or move to fresh air. Call a poison centre or doctor.

**Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continue rinsing. Get medical attention immediately.

**Ingestion:** Call a doctor immediately. Rinse mouth. Do not induce vomiting.

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**Note to physician:** Treat symptomatically, no specific antidote. See toxicological information (section 11)

### SECTION 5 – FIRE FIGHTING MEASURES

**Extinguishing Media:**

**Suitable Extinguishing Media:** Use water spray, fog or foam.

**Unsuitable Extinguishing Media:** None known

**Specific hazards arising from the product:** Not flammable .

**Hazardous thermal decomposition products:** Decomposition products may include the following materials: carbon dioxide and carbon monoxide.

**Advice for fire-fighters:** Not available.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Wear suitable protective clothing. Wear eye/face protection.

**Environmental precautions:** Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

**Methods and materials for containment and cleaning up:** Use a water rinse for final clean-up.

### SECTION 7 – HANDLING AND STORAGE

**Precautions for safe handling:** Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.

**Storage Procedures:** Keep containers closed when not in use. Do not store near acids. Store between the following temperatures: 15 to 40°C.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

| CHEMICAL NAME       | ACGIH TLV           | STEL | OSHA PEL            |         | AIHA WEEL           |                     |
|---------------------|---------------------|------|---------------------|---------|---------------------|---------------------|
|                     | TWA                 |      | TWA                 | Ceiling | 8 hour TWA          | Short term TWA<br>© |
| Potassium Hydroxide | 2 mg/m <sup>3</sup> |      | 2mg/ m <sup>3</sup> |         | 2mg/ m <sup>3</sup> |                     |
| Glycol Ether DPM    | 100 ppm             |      | Not available       |         | Not available       |                     |
| Monoethanol Amine   | 3 ppm               |      | 3 ppm               |         | Not available       |                     |

ACGIH= American Conference of Governmental Industrial Hygienists. TLV = Threshold Limit Value. TWA = Time-weighted Average. STEL = Short-term Exposure Limit OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. AIHA = AIHA Guideline Foundation. WEEL = Workplace Environmental Exposure Limit.

**Appropriate Engineering Control:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual Protection Measure:**

**Eye/Face Protection:** Do not get into eyes. Wear chemical safety goggles.

**Skin Protection:** Personal protective equipment comprising: nitrile gloves, safety goggles and protective clothing.

**Respiratory protection:** Not required

**Inhalation:** No special measures required. Treat symptomatically.

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### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|   |                              |
|---|------------------------------|
| <b>Appearance:</b>                              | Liquid, slightly hazy.       |
| <b>Odour:</b>                                   | Odourless.                   |
| <b>pH :</b>                                     | 13.5 ( 100 % )               |
| <b>Melting Point:</b>                           | Not available                |
| <b>Boiling point:</b>                           | > 100 °C                     |
| <b>Flash Point:</b>                             | Not available                |
| <b>Vapour pressure:</b>                         | Not available                |
| <b>Vapour density:</b>                          | Not available                |
| <b>Evaporation Rate:</b>                        | Not available                |
| <b>Flammability:</b>                            | Not available                |
| <b>Explosive Limit:</b>                         | Not available                |
| <b>Lower flammable/explosive limit:</b>         | Not available                |
| <b>Upper flammable/explosive limit:</b>         | Not available                |
| <b>Relative Density:</b>                        | Approx. = 1.04 ( Water = 1 ) |
| <b>Viscosity:</b>                               | Not available                |
| <b>Solubility in water:</b>                     | Soluble                      |
| <b>Auto ignition temperature</b>                | Not available                |
| <b>Partition coefficient - n-octanol/water:</b> | Not available                |
| <b>Decomposition temperature:</b>               | Not available                |

### SECTION 10 – STABILITY AND REACTIVITY

|                                   |  |
|-----------------------------------|--|
| STABILITY:                        | Stable   |
| INCOMPATIBILITY:                  | Acids, some metals. Oxidizing agents.                      |
| HAZARDOUS DECOMPOSITION PRODUCTS: | None   |
| HAZARDOUS POLYMERIZATION:         | Will not occur.  |
| CONDITIONS TO AVOID:              | Avoid contact with strong acids, metals, oxidizing agents. |

### SECTION 11 – TOXICOLOGICAL INFORMATION

| Chemical Name       | LC50                | LD50                      | LD50 ( dermal )  |
|---------------------|---------------------|---------------------------|------------------|
| Potassium Hydroxide | 80 mg/l ( daphnia ) | 273 mg/kg ( rat )         | ATE > 2000 mg/kg |
| Glycol ether DPM    | Not Available       | 5130 mg/kg ( guinea pig ) | Not Available    |
| Monoethanol Amine   | Not available       | 1,089 mg/kg ( Rat )       | Not available    |

**Routes of exposure:** Skin contact, Eye contact, Ingestion, Inhalation.

**Eye contact:** Causes eye damage.

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**Skin contact.** Causes skin corrosion.

**Ingestion:** Causes digestive track irritation.

**Inhalation:** Causes nose, throat, and lung burns.

**Acute toxicity:**

**Eye contact:** Causes eye damage.

**Skin contact:** Causes skin corrosion.

**Inhalation:** Respiratory irritation.

**Ingestion:** Corrosion, abdominal pain.

**Germ cell mutagenicity:** Not available

**Carcinogenicity:** Not available

**Reproductive toxicity:** No evidence of reproductive toxicity or developmental toxicity.

**STOT - single exposure** irritating to respiratory system.

**STOT -** Not classified.

**Aspiration hazard:** Not classified.

### SECTION 12 – ECOLOGICAL CONSIDERATION

**Eco toxicity :** This material may be harmful to aquatic life.

**Bio accumulative potential Inorganic:** The substance has no potential for bioaccumulation.

**Mobility in soil:** Not applicable.

**Other adverse effects:** Not known.

### SECTION 13 – DISPOSAL CONSIDERATIONS

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

### SECTION 14 – TRANSPORT INFORMATION

**TDG Classification:** UN 3266 Corrosive Liquid, Basic, Inorganic N.O.S. (Potassium Hydroxide)  
Class 8 Packing Group III

### SECTION 15 – REGULATORY INFORMATION

Refer to section 2.

### SECTION 16 – OTHER INFORMATION

EFFECTIVE DATE:

May 05, 2016: **Revision 1**

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