SAFETY DATA SHEET
ALL PURPOSE DETERGENT

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: ALL PURPOSE DETERGENT
PRODUCT USE: Heavy duty industrial 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 SKIN CORROSION AND EYE DAMAGE.
- 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

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>%</th>
<th>CAS.NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Silicate</td>
<td>1-5</td>
<td>1344-09-8</td>
</tr>
<tr>
<td>Alcohols, C9-11, ethoxylated</td>
<td>1-5</td>
<td>68439-46-3</td>
</tr>
<tr>
<td>Glycol ether EB</td>
<td>1-5</td>
<td>111-76-2</td>
</tr>
</tbody>
</table>

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.

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

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>ACGIH TWA</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Silicate</td>
<td>2 mg/m³</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Alcohols, C9-11, ethoxylated</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Glycol Ether EB</td>
<td>20 ppm</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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

Appearance: Liquid, yellow colour.
Odour: Lemon scent.
pH: 12 (100%)
Melting Point: Not available
Boiling point: > 100 °C
Flash Point: Not available
Vapour pressure: Not available
Vapour density: Not available
Evaporation Rate: Not available
Flammability: Not available
Explosive Limit: Not available
Lower flammable/explosive limit: Not available
Upper flammable/explosive limit: Not available
Relative Density: Approx. = 1 (Water = 1)
Viscosity: Not available
Solubility in water: Soluble
Auto ignition temperature: Not available
Partition coefficient - n-octanol/water: Not available
Decomposition temperature: Not available

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable
INCOMPATIBILITY: Acids.
HAZARDOUS DECOMPOSITION PRODUCTS: None
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Avoid contact with strong acids.

SECTION 11 – TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LC50</th>
<th>LD50</th>
<th>LD50 (dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Silicate</td>
<td>2 mg/m³</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Alcohols, C9-11, ethoxylated</td>
<td>Not Available</td>
<td>&gt;2000 mg/kg (rat)</td>
<td>&gt;2000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Glycol ether EB</td>
<td>Not Available</td>
<td>&gt;2000 mg/kg (guinea pig)</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

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

Eye contact: Causes serious eye damage.
Skin contact: Causes skin corrosion.
Ingestion: May cause burns to mouth, throat and stomach.
Inhalation: May cause nose, throat, and lung irritation.
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Acute toxicity:

Eye contact: Causes eye redness, damage.

Skin contact: Causes burns. May cause an allergic skin reaction.

Inhalation: Respiratory irritation.

Ingestion: May cause burns to mouth, throat and stomach.

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: Not regulated

SECTION 15 – REGULATORY INFORMATION

Refer to section 2.

SECTION 16 – OTHER INFORMATION

EFFECTIVE DATE: January 27, 2016: Revision 1

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Website: www.alpinechem.com

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