

# SAFETY DATA SHEET

## ENHANCE

### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: ENHANCE  
 PRODUCT USE: ALL PURPOSE NEUTRAL 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 or ammonia. Dispose of contents/containers in accordance with local regulations.
- RESPONSE: - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately

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

### SECTION 3 – COMPOSITION / INFORMATION INGREDIENTS

CHEMICAL NAME	%	CAS.NO
Alkyl dimethyl benzyl ammonium chloride (C12-16)	3	68424-85-1
Glycol ether DPM	4	34590-94-8
Alcohol ethoxylate	5 -15	68551-12-2
Fragrance Fresh	0.1-0.5	Proprietary

### SECTION 4 – FIRST AID MEASURES

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

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**Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention or advise. 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. Get medical attention or advice.

**Ingestion:** Immediately call a Poison Centre or doctor. Do not induce vomiting.

**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:** No specific fire or explosion hazard.

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

**Advice for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode..

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

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

Wear suitable protective clothing. Wear eye/face protection.

**Environmental precautions:** Do not allow to enter drains, sewers or watercourses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

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

**Reference to other sections** See also Section 8.

### SECTION 7 – HANDLING AND STORAGE

**Precautions for safe handling:** Ventilate adequately, otherwise wear an appropriate breathing apparatus. Do not breathe vapor or mist. Mixing this product with acid or ammonia releases chlorine gas. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.

**Storage Procedures:** Keep containers closed when not in use. Store between the following temperatures: 5 to 40°C.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME	ACGIH TLV		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8 hour TWA	Short term TWA ©
Glycol ether DPM	100 ppm	150 ppm	600 mg/m <sup>3</sup>	Not Available	Not Available	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:** Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### Individual Protection Measure:

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

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**Skin Protection:** Prevent all skin contact, wear nitrile gloves.

**Respiratory protection:** A respirator is not needed under normal and intended conditions of product use.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid, yellow colour.
<b>Odour:</b>	Fresh pleasant scent.
<b>pH :</b>	6.5 ( 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 ( Water = 1 )
<b>Viscosity:</b>	Not available
<b>Solubility in water:</b>	Soluble
<b>Auto ignition temperature</b>	Not available

### Partition coefficient - n-octanol/water: **Not available** SECTION 10 – STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable
<b>INCOMPATIBILITY:</b>	None
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Decomposition products may include the following
materials: Carbon oxides, Nitrogen oxides (NOx),	
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur.
<b>CONDITIONS TO AVOID:</b>	None known.

### SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Chemical Name</b>	<b>LC50</b>	<b>LD50</b>	<b>LD50 ( dermal )</b>
Glycol ether DPM	Not available	5140 mg/kg ( rat )	9500 mg/kg ( Rabbit )

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

**Eye contact:** Material will cause redness. May cause permanent damage if eye is not immediately irrigated.

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**Skin contact.** Material will cause redness.

**Inhalation:** Material will cause coughing and respiratory tract irritation.

**Acute toxicity:**

**Eye contact:** Causes serious eye damage.

**Skin contact:** Causes skin corrosion

**Inhalation:** Causes respiratory irritation.

**Ingestion:** Harmful if swallowed. Causes digestive tract burns.

**Germ cell mutagenicity:** Not available

**Carcinogenicity:** Not classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP.

**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 is harmful to aquatic life.

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

**Mobility in soil:** Not applicable.

**Other adverse effects:** The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH. Acute EC50 = 0.071 mg/l in Daphnia for 48 hours.

### **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 20, 2016: **Revision 1**

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