



# MATERIAL SAFETY DATA SHEET

## Liquidator

### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Liquidator  
GENERAL/GENERIC NAME:  
PRODUCT USE: Laundry Detergent  
EFFECTIVE DATE: October 6, 2011  
VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.  
24 Ronson Drive, Unit 16  
Etobicoke, Ontario M9W 1B4  
613-996-6666  
24 HOUR EMERGENCY NO.

### SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	%W/W	CAS.NO	TLV	LD50 / LC50
Triethanolamine	1 – 5	102-71-6	ND	5846 mg/kg [Mouse].
Fatty alcohol ethoxylate	5 – 10	9002-92-0	ND	ND

### SECTION 3 – HAZARDS IDENTIFICATION

#### Route of Entry:

**Skin Contact:** May cause irritation.

**Eye Contact:** May cause transient irritation.

**Inhalation:** Mist may cause irritation of the respiratory tract.

**Ingestion:** May cause irritation to digestive tract.

**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 temporary injury if splashed into eyes.

### SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: NA  
FLAMMABLE LIMITS: ND  
AUTO-IGNITION TEMP: ND  
EXTINGUISHING MEDIA: As for surrounding fire.  
SPECIAL FIREFIGHTING PROCEDURES: None  
EXPLOSION DATA: ND  
HAZARDOUS COMBUSTION PRODUCTS: ND

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak/Spill:** Contain spills; 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.

**Storage Procedures:** Keep from freezing. Keep containers closed when not in use.

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### SECTION 8 – EXPOSURE CONTROLS

#### PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION:	Not required under adequate ventilation.
VENTILATION:	General ventilation adequate.
PROTECTIVE GLOVES:	Rubber
EYE PROTECTION:	Safety glasses if risk of contact.
OTHER PROTECTIVE MEASURES:	Not required

### SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE AND ODOUR:	Clear colorless liquid
ODOUR THRESHOLD:	ND
SPECIFIC GRAVITY:	1.02
VAPOUR PRESSURE:	<1
VAPOUR DENSITY:	ND
PH:	8
EVAPORATION RATE:	ND
INITIAL BOILING POINT:	ND
WATER SOLUBILITY:	Complete
FREEZING POINT:	ND

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY:	Stable
INCOMPATIBILITY:	None
HAZARDOUS DECOMPOSITION PRODUCTS:	ND
HAZARDOUS POLYMERIZATION:	Will not occur.
CONDITIONS TO AVOID:	Contact with strong acids will generate heat.

### SECTION 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE:	ND
EFFECTS OF ACCUTE EXPOSURE:	
SKIN CONTACT:	May cause irritation.
EYE CONTACT:	May cause transient irritation.
INHALATION:	Misting may cause irritation of the respiratory tract.
INGESTION:	May cause irritation to digestive tract.
EFFECT OF CHRONIC EXPOSURE:	Not known.
IRRITANCY OF PRODUCT:	Slight
CARCINOGENICITY:	ND
SENSITIZATION TO MATERIAL:	ND
REPRODUCTION TOXICITY:	ND
TERATOGENICITY:	ND
MUTAGENICITY:	ND

### SECTION 12 – ECOLOGICAL CONSIDERATION

No permanent effects on ecosystems.

### SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** In accordance with federal, provincial or local government requirements. a fire or explosion hazard.

### SECTION 14 – TRANSPORT INFORMATION

**TDG Classification:** Not Regulated

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### SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: D2B

### SECTION 16 – OTHER INFORMATION

Prepared by: Lab Personnel

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