



# MATERIAL SAFETY DATA SHEET CHALLENGE

## SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Challenge  
GENERAL/GENERIC NAME:  
PRODUCT USE: Germicidal Detergent  
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

INGREDIENT	%W/W	TLV	CAS.NO	LD50 / LC50
None under WHMIS				

## SECTION 3 – HAZARDS IDENTIFICATION

### Route of Entry:

**Skin Contact:** May cause irritation.

**Eye Contact:** Causes 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 water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use.

**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.

## SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: None  
FLAMMABLE LIMITS: ND  
AUTO-IGNITION TEMP: ND  
EXTINGUISHING MEDIA: None  
SPECIAL FIREFIGHTING PROCEDURES: None  
EXPLOSION DATA: NA  
HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak/Spill:** Contain spills; absorb onto inert material.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures:** Avoid contact with eyes or clothing. Keep container closed when not in use.

# MATERIAL SAFETY DATA SHEET CHALLENGE

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

## SECTION 8 – EXPOSURE CONTROLS

### PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION: Not required.  
VENTILATION: General ventilation adequate.  
PROTECTIVE GLOVES: Not required  
EYE PROTECTION: Not required  
OTHER PROTECTIVE MEASURES: Not required

## SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid  
APPEARANCE AND ODOUR: Clear liquid pleasant odor.  
ODOUR THRESHOLD: ND  
SPECIFIC GRAVITY: 1.06  
VAPOUR PRESSURE: ND  
VAPOUR DENSITY: ND  
PH: 9.8  
EVAPORATION RATE: ND  
INITIAL BOILING POINT: 100°C approximately  
WATER SOLUBILITY: Complete  
FREEZING POINT: 0°C

## SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable  
INCOMPATIBILITY: None known  
HAZARDOUS DECOMPOSITION PRODUCTS: None  
HAZARDOUS POLYMERIZATION: None  
CONDITIONS TO AVOID: NA

## SECTION 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE:  
EFFECTS OF ACCUTE EXPOSURE:  
SKIN CONTACT: NA  
EYE CONTACT: Causes irritation  
INHALATION: Not expected.  
INGESTION: May cause irritation to digestive tract.  
EFFECT OF CHRONIC EXPOSURE: None  
IRRITANCY OF PRODUCT: Minimal  
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.

# MATERIAL SAFETY DATA SHEET CHALLENGE

## **SECTION 14 – TRANSPORT INFORMATION**

**TDG Classification:** Not Regulated

## **SECTION 15 – REGULATORY INFORMATION**

**WHMIS Classification:** Not Regulated

## **SECTION 16 – OTHER INFORMATION**

Prepared by: Lab Personnel

Phone: (416) 744-2120

Website: [www.alpinechem.com](http://www.alpinechem.com)

**Disclaimer:**

The information contained in this form is based on data from sources considered technically reliable and has been provided in good faith in accordance with the available material. It is provided as a service to the persons using the product but conditions of use and handling may involve other and additional consideration beyond our control. No warranty, expressed or implied, is made and we will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information in this form.