



# MATERIAL SAFETY DATA SHEET

## Chlor Brite

### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Chlor Brite  
GENERAL/GENERIC NAME: Bleach  
PRODUCT USE: August 21, 2014  
EFFECTIVE DATE: Alpine Specialty Chemicals Ltd.  
VENDOR NAME AND ADDRESS: 9 City View Drive, Etobicoke, Ontario M9W 5A5  
24 HOUR EMERGENCY NO. 613-996-6666

### SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

| INGREDIENT          | %W/W    | CAS.NO    | TLV | LD50 / LC50              |
|---------------------|---------|-----------|-----|--------------------------|
| Sodium Hypochlorite | 10 - 12 | 7681-52-9 | ND  | Oral Rat LD50 Acute 4445 |

### SECTION 3 – HAZARDS IDENTIFICATION

#### Route of Entry:

**Skin Contact:** Causes irritation.

**Eye Contact:** Causes transient irritation.

**Inhalation:** Mist causes irritation of the respiratory tract.

**Ingestion:** Causes 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 corneal injury and possible blindness if splashed into eyes.

### SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: None  
FLAMMABLE LIMITS: NA  
AUTO-IGNITION TEMP: NA  
EXTINGUISHING MEDIA: Ventilate area, flush product with water, prevent released product from coming in contact with other chemicals.  
SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.  
EXPLOSION DATA: ND  
HAZARDOUS COMBUSTION PRODUCTS: Acids, vigorous reaction with oxidizing or organic materials, may explode when exposed to extreme heat (fire).

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

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

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### 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 containers closed. Keep in a cool place away from direct sunlight or heat. Store away from acids, ammonia and organic materials.

### SECTION 8 – EXPOSURE CONTROLS

#### PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION: Respirator when handling spills.  
VENTILATION: General ventilation adequate.  
PROTECTIVE GLOVES: Rubber  
EYE PROTECTION: Safety goggles  
OTHER PROTECTIVE MEASURES: Rubber boots

### SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid  
APPEARANCE AND ODOUR: Clear yellow, mild chlorine odor.  
ODOUR THRESHOLD: NA  
SPECIFIC GRAVITY: 1.17 (Water = 1)  
VAPOUR PRESSURE: NA  
VAPOUR DENSITY: Similar  
PH: 12.8 – 13.1  
EVAPORATION RATE: NA  
INITIAL BOILING POINT: 100°C approximately  
WATER SOLUBILITY: Soluble  
FREEZING POINT: <-5°C

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable  
INCOMPATIBILITY: Acids.  
HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine (by reaction with acids, ammonia, urea, nickel, copper and iron).  
HAZARDOUS POLYMERIZATION: Will not occur.  
CONDITIONS TO AVOID: Avoid heat, fire, organic matter and nitrogen containing compounds.

### SECTION 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: ND  
EFFECTS OF ACCUTE EXPOSURE:  
SKIN CONTACT: Corrosive. Causes severe irritation.  
EYE CONTACT: Corrosive. Causes severe burns.  
INHALATION: Corrosive. Breathing mist or spray causes irritation of respiratory tract.  
INGESTION: Corrosive. Causes irritation to digestive tract.  
EFFECT OF CHRONIC EXPOSURE:  
IRRITANCY OF PRODUCT: Moderate  
CARCINOGENICITY: ND  
SENSITIZATION TO MATERIAL: ND  
REPRODUCTION TOXICITY: ND  
TERATOGENICITY: ND  
MUTAGENICITY: ND

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### **SECTION 12 – ECOLOGICAL CONSIDERATION**

No permanent effects on ecosystems.

### **SECTION 13 – DISPOSAL CONSIDERATIONS**

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

### **SECTION 14 – TRANSPORT INFORMATION**

**TDG Classification:** Hypochlorite solution  
Class 8 UN 1791 PG III

### **SECTION 15 – REGULATORY INFORMATION**

**WHMIS Classification:** D2B, E

### **SECTION 16 – OTHER INFORMATION**

Prepared by: Lab Personnel

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