

SAFETY DATA SHEET

CHLOR BRITE

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: CHLOR BRITE
 PRODUCT USE: Bleach, laundry product.
 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 1A; EYE DAMAGE/IRRITATION –CATEGORY 1

LABEL ELEMENTS



- SIGNAL WORD: DANGER
- HAZARD STATEMENT(S): CAUSES SKIN CORROSION AND SERIOUS 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.

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

SECTION 3 – COMPOSITION / INFORMATION INGREDIENTS

CHEMICAL NAME	%	CAS.NO
Sodium Hypochlorite	12	7681-52-9
Sodium Hydroxide	0.05-0.2	1310-73-2

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.

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.

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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 and carbon monoxide, halogenated compounds metal oxide/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 Ⓢ
Sodium Hypochlorite	2 mg/m ³		2 mg/m ³		2 mg/m ³	
Sodium Hydroxide	2 mg/m ³		2 mg/m ³		2 mg/m ³	

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.

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

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

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid, yellowish colour.
Odour:	Chlorine
pH :	13 (100 %)
Odor Threshold:	Not available
Initial boiling point and boiling range	Not available
Melting Point:	Not available
Thermal decomposition:	Not available
Flash Point:	Not available
Evaporation Rate:	Not available
Flammability:	Not available
Explosive Limit:	Not available
Upper explosion limit:	Not available
Lower explosion limit:	Not available
Relative Density:	Approx. = 1.17 (Water = 1)
Viscosity:	Not available
VOC:	Not available
Solubility in water:	Soluble
Solubility in other solvents:	Not available
Partition coefficient: octanol/water	Not available
Molecular weight:	Not available

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:	Stable
INCOMPATIBILITY:	Acids, ammonia, metals. Mixing this product with acid or ammonia releases chlorine gas.
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur.
CONDITIONS TO AVOID:	Contact with acids will generate heat.

SECTION 11 – TOXICOLOGICAL INFORMATION

Chemical Name	LC50	LD50	LD50 (dermal)
Sodium Hypochlorite	Not available	5230kg (rat)	>10000 mg/kg (Rabbit)
Sodium Hydroxide	121 mg/l (fish)	Not Available	1350 mg/kg (Rabbit)

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

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

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: Causes 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 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: UN 1791 HYPOCHLORITE SOLUTION CLASS 8 PGIII

SECTION 15 – REGULATORY INFORMATION

Refer to section 2.

SECTION 16 – OTHER INFORMATION

EFFECTIVE DATE:

February 10, 2016: **Revision 1**

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