

SAFETY DATA SHEET

Issue date: Feb.. 01, 2011 CIP-CL Brite SDS No: 109 Page 1.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CIP-CL Brite
 Product Code: 109
 Product Description: Chlorinated Caustic Detergent
 Manufactured by: Enviro-Brite Solutions, LLC
 Address: 5606 F-41
 Telephone Number: 989-387-2758 8:00 am – 5:00 pm
EMERGENCY TELEPHONE NUMBER: 989-387-2758 24 hours

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous component * (see note below)	Cas No.	Exposure Limits % by wt.	OSHA PEL	ACGIH TLV	NIOSH REL
* Sodium Hydroxide	1310-73-2	25-35	2mg/m3	2mg/m3	2mg/m3 ceiling
Sodium Hypochlorite	7681-52-9	12-25	2mg/m3	2mg/m3	2mg/m3 ceiling

Asterisked ingredients are those considered hazardous according to the criteria of OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200). Other ingredients are listed for informational purposes at assist medical response personnel.

3. HAZARDS IDENTIFICATION

Emergency Overview	Causes severe burns. Can cause Permanent eye damage, including blindness
Potential Health Effects	Listed below.
Ingestion	Corrosive. Causes burns to mouth, throat & stomach.
Inhalation	May cause irritation and corrosive effects to nose, throat & respiratory tract.
Eye contact	Corrosive. Causes permanent eye damage, including blindness.
Skin Contact	Corrosive. Causes permanent skin damage if absorbed.

4. FIRST AID MEASURES

INGESTION	If swallowed, rinse mouth, drink several glasses of water or milk. Then Immediately contact a physician or Poison Center. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
INHALATION	If breathing is affected, remove to fresh air. Get medical attention immediately.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Use buffered eye solutions if available. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of entire eye. Get medical attention immediately.
SKIN CONTACT	Flush skin with plenty of warm running water for 15-20 minutes. Neutralize with vinegar or lemon juice. If irritation develops or persists, get medical attention. Remove contaminated clothing and shoes; wash before reuse.
NOTE TO PHYSICIAN	Information pertaining to ingestion toxicology, therapy, symptomatology and treatment can be found in <u>Commercial Clinical Toxicology of Products</u> , authored by Gosselin, Smith and Hodge and published by Williams & Wilkins, Baltimore, Maryland. See listing for Strong Alkalines in Therapeutics Index, Section III.

5. FIRE FIGHTING MEASURES

Flash Point / Method	None / N.A.	Flammable Limits	Not flammable or Combustible
Extinguishing Media	Use dry chemical, Co2, water spray or Alcohol Foam		
Special Fire Fighting	None.		
Fire and Explosion	None.		

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Flush to sanitary sewer. Mop up residual and rinse area thoroughly with water.
 Large Spills: Dike or dam spill. Soak up with earth, sand or other inert absorbent material.

7. HANDLING AND STORAGE

Handling Precautions	Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before reuse. Wash thoroughly after handling. Product residue may remain on or in empty containers. Handle empty containers with same precautions. For industrial and institutional use only. Keep container tightly closed when not in use.
Storage Precautions	Protect from freezing. Store upright in a cool dry place. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hygienic Practices	Observe label precaution. Handle in accordance with good industrial hygiene.
Engineering Controls	Provide adequate ventilation to maintain worker exposure below exposure limits. Local exhaust is suggested for use, where possible, in enclosed spaces.

Occupational Exposure Limits

Ingredients	ACGIH	OSHA
Sodium Hydroxide	2 mg/m3 ceiling	2 mg/m3 TWA
Sodium Hypochlorite	2 mg/m3 ceiling	2 mg/m3 TWA

* Respirator	Not necessary if well ventilated.
* Goggles/face shield	Required. Goggles should be chemical splash type.
* Apron	Required to protect skin and clothing
* Gloves	Required. PVC, Neoprene or Nitrile acceptable
* Boots	Required, must be chemical resistant type

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Straw colored liquid	Boiling Point	Not determined
Odor	organic	Freezing Point	Not established
PH	13.65	Vapor Pressure	Not established
Specific Gravity	1.43 lb/gal	Vapor Density	Not established
Solubility in Water	Complete	Evaporation Rate	Not determined
VOC content	None		

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Do not mix with anything but water.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids & strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: None expected

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

Carcinogenicity

	This product contains a known or suspected Carcinogen.
X	This product does not contain any known or anticipated carcinogens according to the criteria Of the NTP annual report on carcinogens and OSHA 29 CFR 1910, Z

Other Effects

Acute	None known.
Chronic	Contains material which causes damage to the following organs: Lungs, upper respiratory tract , skin, eye, lens or cornea.

12. ECOLOGICAL INFORMATION

Biodegradability	X	Considered Biodegradable	
BOD Value			Not established
Ecotoxicity			No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method	Empty containers may be triple rinsed, then offered for recycling or disposed of in a sanitary landfill.
RCRA Classification	Hazardous D002

Container is a recyclable LDPE plastic

14. TRANSPORT INFORMATION

Regulatory Information	UN number	Proper Shipping name	Class	Packing Group	Additional Information
Dot Classification	UN1824	Sodium hydroxide Solution	8	II	Limited quantity, Yes. Special provisions B2, IB2, N34, T7, TP2
Dot Classification					

15. REGULATORY INFORMATION

Regulatory Status

EPA Registered	None
FDA Regulated	None
Kosher	None
SARA Title III Material	None
NSF Registered	None
EPA / DFE System (WHMIS)	None

16. OTHER INFORMATION

NFPA Classification

3	Blue	Health Hazard
0	Red	Flammability
0	Yellow	Reactivity
--	White	Special Hazard

This information refers only to the specific material designated and does not relate to the involving of other material. This information is based on data believed to be reliable, and the Product is intended to be used in the manner that is customary and reasonable. Since actual use and handling is beyond our control, no warranty, express or implied, is made and no liability is assumed by Enviro-Brite Solutions LLC in connection with the use of this information.