

FOAM-BRITE CLEANER

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 Section 1 -- PRODUCT AND COMPANY IDENTIFICATION  
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PRODUCT NAME	HMIS CODES
Foam-Brite Cleaner	Health 3
PRODUCT CODES	Flammability 0
R-FCC/75, R-FCC/5, R-FCC/20	Reactivity 1
CHEMICAL FAMILY	PPI D
Inorganic base	
USE	
Condenser cleaner	
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
Greenleaf Solutions Ltd	Poisons Information Centre
PO Box 64-125	New Zealand 0800-764-766
Botany, Auckland NZ 2142	Australia 13-1126
DATE OF PREPARATION	TECHNICAL SERVICE TELEPHONE NO.
1 <sup>st</sup> March 2011	0061-9-272 4141

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 Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS  
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% by WT	CAS No.	INGREDIENT	UNITS
>12.5%	1310-73-2	Sodium Hydroxide	
>5%		Non-ionic surfactant blend	
>0.005%		Food grade colour dye	
>82%	7732-18-5	Water	
		ACGIH TLV	CL 2 mg/m3
		OSHA PEL	CL 2 mg/m3

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 Section 3 -- HAZARDS IDENTIFICATION HSNO 6.1D, 8.1A, 8.2B, 8.3A, 9.1D 9.3C  
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SUMMARY OF ACUTE HAZARDS

Exposure to human tissue will result in irritation and chemical burns.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

Corrosive to respiratory system.

EYE CONTACT

Corrosive, contact causes severe eye burns.

SKIN CONTACT

Corrosive to skin.

INGESTION

Poison! Swallowing large quantities can cause death & burns to digestive system.

SUMMARY OF CHRONIC HAZARDS

Exposure to human tissue will result in irritation and chemical burns.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin or persons with chemical sensitivity may have increased susceptibility to excessive exposures.

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Section 4 -- FIRST AID MEASURES

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If INHALED: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.  
If on SKIN: Flush with large amounts of water. If irritation or burns occur, seek immediate medical attention.  
If in EYES: Flush with large amounts of water for at least 15 minutes. Get medical attention if irritation persists.  
If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give any thing by mouth to an unconscious person.  
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Section 5 -- FIRE FIGHTING MEASURES

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FLASH POINT LEL UEL  
None N/A N/A  
EXTINGUISHING MEDIA  
Use agents suitable for surrounding fires.  
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10). Dike area as run-off may create additional environmental contamination  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition forms toxic fumes of sodium oxide. Flammable gas may be produced on contact with metals.  
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Section 6 -- ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Keep people away. Wear chemical protective clothing. Stop discharge if possible. Isolate and remove discharged material. Flush and clean area with water  
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Section 7 -- HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. Store only in polyethylene or glass containers. DO NOT USE METAL CONTAINERS.  
OTHER PRECAUTIONS: Do not permit workers to handle product without proper training or proper protective equipment. Store in well-sealed containers, which are protected from physical damage. Empty containers may contain residues and vapours; treat as if full and observe all product precautions. Do not reuse container. KEEP OUT OF REACH OF CHILDREN.  
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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

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 RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated areas, use NIOSH/MSHA approved self-contained breathing apparatus. None required for normal use in adequately ventilated areas where TLV is not exceeded.  
 VENTILATION - LOCAL EXHAUST: Acceptable  
 SPECIAL: Explosion proof  
 MECHANICAL (GENERAL): Preferable  
 OTHER: N/A  
 PROTECTIVE GLOVES: Rubber or neoprene  
 EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent)  
 OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.  
 WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

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 Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

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 BOILING POINT: >212 F (>100 C) @ 760mm Hg  
 SPECIFIC GRAVITY (H2O = 1): 1.10  
 VAPOR PRESSURE (mm Hg): 1 @ 77 F (20 C)  
 MELTING POINT: N/A  
 VAPOR DENSITY (AIR = 1): >1  
 EVAPORATION RATE (ETHYL ACETATE = 1): <1  
 APPEARANCE/ODOR: Clear Yellow Liquid/ Little or No Odour  
 SOLUBILITY IN WATER: Soluble

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 Section 10 -- STABILITY AND REACTIVITY

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 STABILITY: Stable  
 CONDITIONS TO AVOID: Heat, sparks, open flames.  
 INCOMPATIBILITY (MATERIALS TO AVOID): Acids, flammable liquids, organics, halogens, metals, nitro methane. When wet, attacks chemically active metals such as aluminium, tin, lead, and zinc to produce flammable hydrogen gas.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition forms toxic fumes of sodium oxide.  
 HAZARDOUS POLYMERIZATION: Will not occur.

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 Section 11 -- TOXICOLOGY INFORMATION

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 CHRONIC HEALTH HAZARDS  
 No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

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 TOXICOLOGY DATA  
 Ingredient Name

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 Sodium Hydroxide  
                     Oral-Rabbit, adult LDLo:500 mg/kg  
                     Inhalation-Rat        LC50: N/D

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Section 12 -- Ecological Information

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 ECOLOGICAL DATA  
 Ingredient Name  
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Sodium Hydroxide

Food Chain Concentration Potential	None
WATERFOWL TOXICITY	N/D
BOD	None
AQUATIC TOXICITY	125 ppm/96 hr/mosquito fish/TLm

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 Section 13 -- DISPOSAL CONSIDERATIONS  
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Waste Classification: Corrosive(D002)  
 Disposal Method: Neutralization  
 RCRA classified hazardous waste. Dispose of absorbed materials and liquid waste in accordance with all local, state and federal regulations.  
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Section 14 -- TRANSPORTATION INFORMATION

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 DOT: Sodium Hydroxide, Solution, UN 1824, Class 8, PG II, ERG#154  
 OCEAN (IMDG): Sodium Hydroxide, Solution, UN 1824, Class 8, PG II, IMDG#8226, EMS#8-06  
 AIR (IATA): Sodium Hydroxide, Solution, UN 1824, Class 8, PG II, ERG#154  
 WHMIS (CANADA): Class E  
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Section 15 -- REGULATORY INFORMATION

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 REGULATORY DATA  
 Ingredient Name  
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Sodium Hydroxide

SARA 313	No
TSCA Inventory	Yes
CERCLA RQ	1000 lb.
RCRA Code	N/A

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 Section 16 -- OTHER INFORMATION  
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The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.