

Free-Foam™

MSDS# SCM-702

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6 Total Pages

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Foam-Free

Manufactured by: Diversitech

6650 Sugarloaf Parkway, Duluth, GA 30097

Phone: 800-995-2222 (Product Information)

Phone: 800-255-3924 (CHEM-TEL, Chemical Emergencies Only)

Revised: 05/24/2012

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2. HAZARDS IDENTIFICATION



Corrosive

Inhalation: Severe irritant. Effects from inhalation of mist vary from mild irritation to serious damage of the upper respiratory tract, depending on severity of exposure. Symptoms may include sneezing, sore throat or runny nose. Severe pneumonitis may occur.

Ingestion: Corrosive. Swallowing may cause severe burns of mouth, throat, and stomach. Severe scarring of tissue and death may result. Symptoms may include bleeding, vomiting, diarrhea, fall in blood pressure. Damage may appear days after exposure.

Skin Contact: Corrosive. Contact with skin can cause irritation or severe burns and scarring with greater exposures.

Eye Contact: Corrosive. Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

Chronic Exposure: Prolonged contact with dilute solutions or mists has a destructive effect upon tissue.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance

3. COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	CAS No.	EINECS No.	% or Range	Symbol	Risk Phrases
Water	7732-18-5	231-791-2	75-85		
Potassium hydroxide	1310-58-3	215-181-3	5-10	C	R22, R35

Other components:

Components not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive 1999/45/EC.

Additional information: For the wording of the listed risk phrases refer to section 15.

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4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: DO NOT INDUCE VOMITING! Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Note to Physician: Perform endoscopy in all cases of suspected potassium hydroxide ingestion. In cases of severe esophageal corrosion, the use of therapeutic doses of steroids should be considered. General supportive measures with continual monitoring of gas exchange, acid-base balance, electrolytes, and fluid intake are also required.

5. FIREFIGHTING MEASURES

Not considered to be a fire hazard. Can react with certain metals, such as aluminum, to generate flammable hydrogen gas.

Explosion: In contact with nonferrous metals such as aluminum and magnesium may release hydrogen gas that can cause fire and explosions.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Do not flush caustic residues to the sewer. Residues from spills may be diluted with water, neutralized with dilute acid such as acetic, hydrochloric, or sulfuric. Absorb neutralized caustic residue on clay, vermiculite or other inert substance and package in a suitable container for disposal. Do not use aluminum tools to collect absorbed material or aluminum containers to store collected waste US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

Remove contaminated clothing immediately. Remove unnecessary personnel from the area of the spill.

7. HANDLING AND STORAGE

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area. Store above 16C (60F) to prevent freezing. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do not store with aluminum or magnesium. Do not mix with acids or organic materials. Keep this and all chemicals out of the reach of children. Wash hands thoroughly after handling.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

Airborne Exposure Limits:

OSHA Permissible Exposure Limit (PEL): 22 mg/m³ Ceiling (based on potassium hydroxide content)

ACGIH Threshold Limit Value (TLV): 22mg/m³ Ceiling (based on potassium hydroxide content)

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Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities or a source of running water in the work area.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking.

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance: Blue Liquid

Odor: Odorless

Odor threshold: N/A

pH: 12-13

Melting point/freezing point: <-4°C (25°F)

Initial boiling point and boiling range: >104°C (220°F)

Flash point: Not Applicable

Evaporation rate (Water =1): ~1

Flammability limits %: Not Applicable

Vapor pressure: @20°C

Vapor density: N/A

Relative density: 1.09

Solubility: 100% soluble in water

Partition Coefficient: n-octanol/water: n.a.

Auto-ignition temperature: Not Applicable

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: Not applicable

Oxidizing properties: Not applicable

N/A = Data not available

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

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Hazardous Decomposition Products: Decomposition by reaction with non-ferrous metals releases flammable and explosive hydrogen gas.

Hazardous Polymerization: Will not occur.

Incompatibilities: Potassium hydroxide in contact with acids and organic halogen compounds, especially trichloroethylene, may cause violent reactions. Contact with nitromethane and other similar nitro compounds may cause formation of shock-sensitive salts. Contact with metals such as aluminum, magnesium, tin, and zinc cause formation of flammable hydrogen gas. Potassium hydroxide, even in fairly dilute solution, reacts readily with various sugars to produce carbon monoxide. Precautions should be taken including monitoring the tank atmosphere for carbon monoxide to ensure safety of personnel before vessel entry.

Conditions to Avoid: Extreme heat, incompatible materials.

11. TOXICOLOGICAL INFORMATION

Irritation data:

Potassium hydroxide CAS No.1310-58-3

LD50/LC50:

Draize test, rabbit, skin: 50 mg/24H Severe;

Oral, rat: LD50 = 273 mg/kg;<BR.

Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Teratogenicity: No information reported.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.

12. ECOLOGICAL INFORMATION

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. DISPOSAL CONSIDERATIONS

Treat empty containers as hazardous. Dispose of spill-clean up and other wastes in accordance with Federal, State, and local regulations. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

US DOT: Corrosive liquid, basic, inorganic, n.o.s. (contains potassium hydroxide), 8, UN3266, PGII

UN Number: UN3266

UN Proper Shipping Name: Corrosive liquid, basic inorganic, n.o.s. (contains potassium hydroxide)

Transport Hazard Class(es): 8

Packing group: II

Environmental Hazards: Not a marine pollutant

ADR/RID Transport Information

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ADR/RID Class: 8
 ADR/RID Packing Group: II
 IMDG Hazard Class: 8
 IMDG Packing Group: II
 ADNR Class: None Allocated
 ADNR Item: II
 IATA Hazard Class: 8
 IATA Packing Group: II
 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable
 EmS: F-A, S-B

15. REGULATORY INFORMATION

EC Classification: 215-181-3

Risk phrases:

R22: Harmful if swallowed.

R35: Causes severe burns.

Safety phrases

S2: Keep out of reach of children

S24/25: Avoid contact with skin and eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39: Wear suitable, gloves and eye/face protection.

S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

US EPA

Comprehensive Environmental Response Compensation and Liability

Act of 1980 (CERCLA) notification is not required for this material.

Superfund Amendments and Reauthorization Act of 1986 (SARA 302 RQ & TPQ) is not required for quantities below 2500 pounds.

Superfund Amendments and Reauthorization Act of 1986 (SARA 313) This material is not subject to reporting requirements.

Toxic Substances Control Act (TSCA) Status: The ingredients of this product are on the TSCA inventory.

State Right to Know

California Proposition 65: This product does not contain any materials on the Proposition 65 List of Chemicals Known to Cause Cancer or Reproductive Toxicity.

Massachusetts: Hazardous substances and extraordinarily hazardous substances must be identified.

Pennsylvania: Hazardous substances must be identified.

California SCAQMD Rule 443.1 (VOC's): None

Chemical Inventory Status

Ingredient	TSCA	EC	Japan	Australia	Korea	DSL	NDSL	Phil.
Sodium Hydroxide (1310-73-2)	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes

Federal, State & International Regulations

	SARA 302	SARA 313	TSCA	CERCLA	261.33	8(d)
Ingredient	RQ	TPQ	Chemical	RCRA	List -	
Potassium hydroxide 1310-58-3	No	No	No	1000	Yes	No
Chemical Weapons Convention:	No					
TSCA 12(b): No CDTA:	No					

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SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No Reactivity: Yes (Mixture / Liquid)

Australian Hazchem Code: 2R

Poison Schedule: S6

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

HMIS Ratings: Health: 2 Flammability: 0 Reactivity: 1

Label Hazard Warning:

CORROSIVE. DO NOT TAKE INTERNALLY. Contains alkaline detergents. Avoid contact with eyes and skin.

Label Precautions: Wear eye and skin protection when mixing or applying solutions. Use protective equipment when handling. For professional use only.

Label First Aid:

For accidental contact, flush with cool water and get medical attention.

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement