

CHEM INTERNATIONAL

MATERIAL SAFETY DATA SHEET

EMERGENCY #: CANUTEC (613) 996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: Super foam Plus

EFFECTIVE DATE: March 27, 2008

WHMIS CLASS: E; D2B

T.D.G. CLASSIFICATION: Potassium hydroxide, solution **CLASS:** 8 **UN:** 1814 **PG:** II

MATERIAL USE: Foaming soil emulsifier.

HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENTS | %WT/WT | CAS NO. | TOXICITY DATA (LD₅₀ & LC₅₀) |
|-------------------------------|---------------|----------------|--|
| Potassium Hydroxide (45% Sol) | 10-30 | 1310-58-3 | LD ₅₀ Oral (rat) 365 mg/kg ACGIH TLV - 2 mg/m ³ |
| Sodium Hypochlorite (12% Sol) | 10-30 | 7681-52-9 | LD ₅₀ Oral (rat) 12 mg/kg |

PHYSICAL DATA

PHYSICAL STATE: Liquid

SP. GRAVITY: 1.1592

PH: Highly alkaline

BOILING POINT: N/AV

VAPOUR PRESSURE: N/AV

VAPOUR DENSITY: N/AV

EVAPORATION RATE: N/AV

FREEZING POINT: 0°C

SOLUBILITY IN WATER: 100%

APPEARANCE & ODOUR: Pale yellow liquid with chlorine odour.

FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): N/AV

FLAMMABLE LIMITS IN AIR, % BY VOL.: Non-flammable

LOWER: N/AV **UPPER:** N/AV

FIRE EXTINGUISHING SUBSTANCES: Water Fog.

HAZARDOUS COMBUSTION PRODUCTS: Chlorine, oxygen, potassium oxides and phosphorous oxides.

SPECIAL FIREFIGHTING PROCEDURES: As for surrounding fire. Use full protective clothing.

REACTIVITY DATA

INCOMPATIBILITY: Oxidizing Material, Acid, Chlorinated hydrocarbons, ammonia, aluminum, tin, lead and zinc.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen (from aluminum and metals mentioned above), chlorine and oxygen.

CHEMICAL STABILITY: Chlorine content decreases with heat, light, decrease in pH and contamination with heavy metals.

FIRST AID

INHALATION: Remove to fresh air and get medical attention.

INGESTION: Get medical help immediately. Rinse mouth well with water and give patient large quantities of water or milk to drink to dilute the chemical. Do not induce vomiting.

EYES: Flush with plenty of water for at least 20 minutes. Get medical attention.

SKIN: Remove contaminated clothing immediately and flush with water for at least 15 minutes. Get medical help. No oil or ointment should be applied.

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eyes, skin contact, inhalation, ingestion

EFFECTS OF ACUTE EXPOSURE:

INHALATION: Irritation of respiratory tract, inflammation of the lungs.

INGESTION: Burning in mouth and esophagus; nausea, vomiting, abdominal pain and diarrhea. Perforation of gastrointestinal tract may occur.

EYES: Causes severe irritation to the mucous membranes of the eyes. May cause ulceration of the eye.

SKIN: Severe irritation and burns to the skin.

PREVENTATIVE MEASURES

STEPS TO BE TAKEN UPON RELEASE OR SPILLAGE (INCLUDING NEUTRALIZING): With large spills, dyke for later disposal. Neutralize with sodium sulphite then with diluted acid - like hydrochloric or sulfuric acid. Minor spills can be neutralized and flushed with plenty of water.

WASTE DISPOSAL METHOD: Waste product should not be discharged into sewers or streams. It should be first neutralized and then discharged according to federal, local and provincial regulations.

HANDLING AND STORAGE REQUIREMENTS: Keep container closed when not in use. Store in cool, dark place away from any possible contaminants.

VENTILATION REQUIREMENTS (LOCAL OR GENERAL): Use with adequate ventilation.

RESPIRATORY PROTECTION: Not normally necessary unless product is misted.

EYE PROTECTION: Chemical workers goggles.

OTHER PROTECTION: Rubber, vinyl or neoprene gloves and coveralls should be worn.

N/AP= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · N/AV=NOT AVAILABLE
<=LESS THAN - >=MORE THAN

DISCLAIMER: Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases, data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that the user of this material has been fully trained according to the mandatory requirements of WHIMIS. No warranty, expressed or implied is made, and supplier will not be liable for any losses, injuries, or consequential damage that may result from the use or reliance on any information contained in this form.

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