

MATERIAL SAFETY DATA SHEET

Supplier

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PRODUCT: Foam Well S28(Drilling Foam)

Synonyms: None

Product Type: No applicable

Preparation/Revision Date: 11 December 2002

SECTION – 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

- (s)- Skin exposure
- (p)- Proposed limit
- (c)- Ceiling exposure
- (1)- Recommended exposure limit
- (u)- Supplier recommended exposure limit
- (N/E)- None established

SECTION – 3- HAZARDS IDENTIFICATION

Principal Hazards: DANGER.

CAUSES EYE BURN.

CAUSES BURNS TO THE RESPIRATORY TRACT.

HARMFUL IF SWALLOWED.

HARMFUL IF INHALED.

CAUSES SKIN IRRITATION.

COMPONENT(S) KNOWN TO CAUSE CHRONIC HUMAN HEALTH EFFECTS.

COMBUSTIBLE LIQUID.

See Section 11 for complete health hazard information.

SECTION – 4 – FIRST AID MEASURES

Oral: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention to perform gastric lavage.

Eyes: Flush immediately with water for at least 15 minutes. Get immediate medical attention.

Skin: Wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation persists. Launder contaminated clothing before reuse and discard shoes and other leather articles saturated with the material.

Inhalation: Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. Get medical attention.

Additional Information:

Note to physician: Treat symptomatically.

SECTION – 5 – FIRE FIGHTING MEASURES

Flash Point: >80 Deg. C, 176 Deg. F SFCC (Typical)
Extinguishing Media: CO₂, dry chemical, foam. Water can be used to cool and protect exposed material.
Firefighting Procedures: Recommend wearing self-contained breathing apparatus. Water may be ineffective fighting fires.
Unusual Fire & Explosion Hazards: Toxic fumes, gases or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Container may rupture on heating.

SECTION – 6 – ACCIDENTAL RELEASE MEASURES

Spill Procedures: Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

SECTION – 7 – HANDLING AND STORAGE

Maximum Pumping Temperature: Not determined.
Maximum Handling Temperature: Not determined.
Handling Procedures: Keep away from potential sources of ignition. Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Wash thoroughly after handling. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or sources of ignition.
Maximum Storage Temperature: Not determined.
Storage Procedures: Do not store near potential sources of ignition. Store in well ventilated area.
Loading Temperature: Not determined.

SECTION – 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Procedures: Use local exhaust ventilation to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.
Gloves Procedures: Use nitrile or neoprene gloves.
Eye Protection: Faceshield.
Respiratory Protection: Use NIOSH/MSHA approved full face respirator with a combination organic vapor and high efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
Clothing Recommendation: Long sleeve shirt is recommended. Wear a chemical protective suit or apron when potential for contact with material exists. Use neoprene or nitrile rubber boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.

SECTION – 9 – PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: >80 Deg. C, 176 Deg. F SFCC (Typical)
Upper Flammable Limit: Not determined.
Lower Flammable Limit: Not determined.
Autoignition Point: Not determined.
Explosion Data: Material does not have explosive properties.
Vapor Pressure: Not determined.
pH: Not determined.
Specific Gravity: 1.01 (15.6 Deg. C)
Water Solubility: Soluble.
Percent Volatile: Unknown
Percent VOC: Not determined.
Vapor Density: Not determined.
Evaporation Rate: Not determined.
Odor: Alcohol
Appearance: Pale yellow liquid.
Viscosity: Unknown.
Odor Threshold: Unknown.
Boiling Point: 78 Deg. C, 173 Deg. F (Typical)
Pour Point Temperature: Not determined.
Freezing Point: Not determined.
The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

SECTION – 10 – STABILITY AND REACTIVITY

Stability: Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature: Not determined.
Incompatibility: Strong oxidizing agents.
Polymerization: Will not occur.
Thermal Decomposition: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

SECTION –11- TOXICOLOGICAL INFORMATION

-ACUTE EXPOSURE-

Oral Toxicity: This material is considered TOXIC by oral ingestion. Based on data from components or similar materials. Swallowing this material can cause burns to the mouth and esophagus. Asphyxiation can occur from swelling of the throat. Perforation of the esophagus and stomach can occur.
Eye Irritation: Corrosive to eyes. Based on data from components or similar materials.
Skin Irritation: Skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Dermal Toxicity: The LD50 in rabbits is >2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity: High concentrations may cause headaches, dizziness, nausea, behavioral changes, weakness, drowsiness and stupor. Inhalation of dust or mist can cause severe pneumonitis and destruction of lung tissue.
Respiratory Irritation: Corrosive to the nose, throat and lungs. Based on data from components or similar materials.
Dermal Sensitization: No data available to indicate product or components may be a skin sensitizers.
Inhalation Sensitization: No data available to indicate product or components may be respiratory sensitizers.

-CHRONIC EXPOSURE-

Chronic Toxicity: Ingestion of ethanol is known to cause liver damage and other chronic effects in humans. Inhalation testing using laboratory animals resulted in liver damage only at high concentrations.
Carcinogenicity: No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity: No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity: Ethanol has been reported to cause birth defects in laboratory animals.

-ADDITIONAL INFORMATION-

Other: No other health hazards known.
Exposure Limits: See Hazardous Ingredients Section for any applicable exposure limits for components.

SECTION – 12 – ECOLOGICAL INFORMATION

-ENVIROMENTAL TOXICITY –

Freshwater Fish Toxicity: Not determined
Freshwater Invertebrates Toxicity: Not determined
Algal Inhibition: Not determined
Saltwater Fish Toxicity: Not determined
Saltwater Invertebrates Toxicity: Not determined
Bacteria Toxicity: Not determined
Miscellaneous Toxicity: Not determined

-ENVIRONMENTAL FATE –

Biodegradation: Adequate data is not available to estimate the biodegradation potential of this material.
Bioaccumulation: There is no data available to evaluate this material for bioconcentration.
Soil Mobility: Not determined.

SECTION – 13 – DISPOSAL CONSIDERATION

Waste Disposal: This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

SECTION – 14 – TRANSPORT INFORMATION

ICAO/IATA: Not regulated.
IMDG (Ambient) Not regulated.
IMDG (Elevated) DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED.
IMDG EMS Not applicable.
IMDG MFAG Not applicable.
IMO Marine Bulk: DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED.
USCG Compatibility: Not determined.
U.S. DOT Bulk (Ambient) Combustible liquid, n.o.s (Alkyl alcohol), NA1993, PG III, RQ (Sodium hydroxide, Sodium hypochlorite)
U.S. DOT Bulk (Elevated) DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED.
U.S. DOT Non Bulk: Not regulated.
DOT NAERG: Not applicable.
TDG Bulk (Ambient) Environmentally hazardous substance liquid, n.o.s.(Sodium hydroxide), Class 9, UN3082, PG III, RL.
TDG Bulk (Elevated) DO NOT TRANSPORT – ADDITIONAL INFORMATION REQUIRED.
TDG Non bulk: Not regulated.
Mexico: Not regulated.
ADR/RID (Ambient) Not regulated.
ADR/RID (Elevated) DO NOT TRANSPORT – ADDITIONAL INFORMATION REQUIRED.
ADR/RID Hazard ID No.: Not applicable.
ADG (Ambient) Not regulated.
ADG (Elevated) DO NOT TRANSPORT – ADDITIONAL INFORMATION REQUIRED.

SECTION – 15- REGULATORY INFORMATION

U.S. TSCA Inventory: All components of this material are on the US TSCA Inventory.
Other TSCA Reg.: None known.
SARA Ext. Haz. Subst.: This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313: This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
TDG Regulated Limit.: Transit Reportable Quantities
 Component
 Reportable Limits RL
 Units
 Reportable Limits RL
 Units
 Sodium hydroxide
 Gal. 189
 Liters. 717
CERCLA Hazardous Substances: Transit Reportable Quantities
 Component
 Reportable Quantity RQ
 Units
 Reportable Quantity RQ
 Units
Sodium hydroxide

SECTION – 15- REGULATORY INFORMATION continued.....

Gal. 1723
Liters. 6518
Sodium hypochlorite
Gal. 5403
Liters. 20444

Stationary Reportable Quantities

Component

Reportable Quantity RQ

Units

Reportable Quantity RQ

Units

Sodium hydroxide

Gal. 1723

Liters. 6518

Sodium hypochlorite

Gal. 5403

Liters. 20444

Cal. Prop.65 This product does not intentionally contain any chemical(s) known to the state of California to cause cancer and/or birth defects. Moreover, Lubrizol does not routinely analyze its products for impurities which may be such chemicals.

U.S. Fuel Registration: Not applicable.

U.S. Dept of Agriculture: This product has not been filed with the USDA to support H2 approvals.

NSF Nonfood Compounds Registration: This product has not been filed with the NSF to support H1 or H2 approvals.

U.S. Tariff Heading Number: Not determined.

Schedule B Number: Not determined.

FDA Approval: Not applicable.

EEC EINECS: All components are in compliance with the EC Seventh amendment Directive 92/32/EEC.

Finnish Registration Number: Not registered.

Sweden Registration Number: Not registered.

Norway Registration Number: Not registered.

Danish Registration Number: Not registered.

Switzerland Bag T Registration Number: Not registered.

Japan METI: All components are in compliance with the Chemical Substance Control Law of Japan.

Australia: All components are in compliance with the Chemical notification requirements in Australia.

Canada: All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

Switzerland: May require notification before sale in Switzerland.

Korea: All components are in compliance in Korea.

Korean Registration Number: Not registered.

Philippines: All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

China: All components of this product are listed on the Inventory of Existing Chemical Substances in China.

China Registration Number: Not registered.

New Zealand Registration Number: Not registered.

Malta Registration Number: Not registered.

Ukraine Registration Number: Not registered.

SECTION – 16 – OTHER INFORMATION

US NFPA Codes: Health-3 Fire-2 Reactivity-0 Special-N/E

HMIS Codes: Health-3 * Fire-2 Reactivity-0

Precautionary Labels DANGER.

CAUSES EYE BURNS.

CAUSES BURNS TO THE RESPIRATORY TRACT.

HARMFUL IF SWALLOWED.

HARMFUL IN INHALED.

CAUSES SKIN IRRITATION.

COMPONENT(S) KNOWN TO CAUSE CHRONIC HUMAN HEALTH EFFECTS.

COMBUSTIBLE LIQUID.

Revision Indicators:

This MSDS has no revisions since 11 December 2002.

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