

**MATERIAL SAFETY DATA SHEET
PRODUCT IDENTIFICATION**

Product Name: "Mud-Buster"

Date: January 1, 2009

Product Use: Product is used for the removal of bentonite drilling fluids and natural clays during well development or redevelopment.

Formula: Synthetic polymer dispersant.

DOT Classification: Not regulated as a hazardous material by DOT or IMO.

Manufacturer: Design Water Technologies
5920 Covington Road
Shorewood, MN 55331
Phone: #952-474-4657

COMPONENT INFORMATION

COMPONENTS: **AMT. (%)**

The components are not listed or considered hazardous in 29CFR 1910.1200 or other pertinent sections of OSHA Regulations and comprise proprietary information.

The product is considered non toxic. The components have been approved by the FDA for use in sea water evaporators for the production of potable water.

EMERGENCY RESPONSE INFORMATION

FIRST AID PROCEDURES:

This product is neutral to mildly acidic. Can cause eye burns. Immediately flush eyes with water for at least 15 minutes and get medical attention.

May cause mild skin irritation. Wash skin surface with mild soap and water.

FIRE FIGHTING INFORMATION:

Use self-contained breathing apparatus.

As with any acidic product, prolonged contact with metals may produce flammable hydrogen gas.

Use extinguishing media appropriate for surrounding fire.

SPILL OR LEAK HANDLING INFORMATION:

Personal Protection: must be appropriate to handle a spill. See Personal Protection Measures Section.

Flush spill area with plenty of water.

Procedures: Keep spectators away. Treat as an acid material. Contain spill with inert material (sand, earth, absorbable material). Transfer diking material to suitable container for recovery or disposal. Material may be diluted and rinsed down a sanitary sewer system to a municipal wastewater plant. If quantities in excess of 500 gallons are rinsed to a sewer, the district should be notified of possible pH up set to the wastewater plant due to flocculation or deflocculation of activated sludge..

HAZARD INFORMATION

HEALTH EFFECTS:

The formulation may be mildly irritating to skin and eyes and is not known to be a skin sensitizer. Toxic effects described in animals from exposure by inhalation or ingestion include corrosion of mucosal surfaces, kidney effects, liver effects, and increased oxalate production. Tests of individual constituents in bacterial or mammalian cell cultures gave no mutagenic activity.

Human health effects of overexposure by skin or eye contact may initially include: skin irritation with some discomfort or rash, or eye irritation with discomfort, tearing, or blurring of vision. Higher exposures may lead to eye corrosion with corneal or conjunctival ulceration.

Human health effects of overexposure by inhalation may include irritation or corrosion of mucous membranes with upper and lower respiratory irritation. Human health effects of overexposure by ingestion may include corrosion of mucous membranes with stomach discomfort, nausea, and prostration. Significant skin permeation after contact appears unlikely. There are no reports of human sensitization.

REACTIVITY INFORMATION:

Stability: Stable [X] Unstable []

Incompatibility: metals, oxidizing agents such as nitric acid, cyanide, sulfides.

Hazardous Decomposition Products: carbon monoxide, carbon dioxide.

Hazardous Polymerization will not occur.

ACCIDENT PREVENTION INFORMATION

PERSONAL PROTECTION MEASURES:

Eye Protection: Wear chemical splash goggles (ANSI Z871) or approved equivalent.

Hand Protection: Wear neoprene gloves or approved chemical protective gloves suitable for use with acids.

FACILITY CONTROL MEASURES:

Ventilation: Keep in well ventilated areas. Keep package tightly closed. Store above 32 degrees F. (0 degrees C)

Storage: Product should not be stored with or near strong caustic or oxidizing agents.

Other Protective Equipment: Eye wash facility should be present where product is stored or utilized.

SUPPLEMENTAL INFORMATION

PHYSICAL PROPERTIES:

Appearance: Clear	pH: 6.5-7.5	Color: Slightly Yellow to clear
State: Liquid	Solubility in Water: Complete	
Vapor Pressure: Vapor is water		Vapor Density: 1.0 (vapor is water)
Evaporation Rate: N/A	Specific Gravity: 1.34	
Boiling Point: 243 degrees F		Freezing Point: 26° F

WASTE DISPOSAL:

Comply with Federal, State, and Local regulations. If approved, may be neutralized and flushed to wastewater treatment plant.

REGULATORY INFORMATION

DOT Proper Shipping:

Not regulated as a hazardous material by the US Dept. of Transportation (DOT) 49CFR 172.101 Hazardous Material Table.

RCRA Status:

Not a hazardous waste under RCRA (40CFR 261). No reportable quantities.

SARA/TITLE III-CERCLA List:

This product does not contain a "CERCLA" listed hazardous substance for emergency release notification under Sec. 304 (40CFR 302).

SARA/TITLE III-Toxic Chemicals List:

This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Sec. 313 (40CFR 372).

TSCA Inventory Status:

Chemical components are listed on TSCA inventory.

California Proposition 65:

This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.