

MATERIAL SAFETY DATA SHEET



2621 7th Ave. South
Estherville, Iowa 51334
PH: (712) 362-7737

PRODUCT NAME: BREAKTHROUGH!

MSDS NO: 52650.03

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FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE CALL: INFOTRAC 1-800-535-5053 Outside U.S. call 001-352-323-3500	FOR MEDICAL EMERGENCY CALL ROCKY MOUNTAIN POISON CENTER: 1-303-623-5716	HEALTH HAZARD: (0 None > 4 Extreme) Health =2 Flammability =0 Reactivity =0
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SECTION 1 – PRODUCT IDENTIFICATION

DATE PREPARED: December 1, 2008

SUPERSEDES: October 30, 2003

PREPARED BY: Dean F. Fernholz

D.O.T. SHIPPING CLASS: Class 55, Non-Hazardous Cleaning Compound.

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS. NO.	OSHA PEL	ACGIH TLV	ORAL LD50 RAT	Per-Cent
Ethoxylated Alcohol	68439-45-2	NE	NE	5100 mg/kg	1-5%
Ethylene Glycol Monobutyl Ether *	111-76-2	25 ppm Skin	25 ppm Skin	470 mg/kg	1-5%
Sodium Metasilicate	6834-92-0	NE	NE	800 mg/kg	1-5%
Sodium Dodecylbenzene Sulfonate	25155-30-0	NE	NE	2600 mg/kg	1-5%

* subject to reporting requirements of Section 313 of Title III of SARA and 40 CFR Part 372

SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: > 212 °F

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.09

VAPOR PRESSURE mm/hg: 23 @ 70 °F

VAPOR DENSITY (Air=1): 1.2

REACTIVITY IN WATER: None

pH 5% SOLUTION = 11.7

MELTING POINT: 32 °F

APPEARANCE AND ODOR: Reddish-orange color, no odor

SECTION 4 – FIRE & EXPLOSION DATA

FLASH POINT: > 212 °F

FLAMMABILITY LIMITS IN AIR % BY VOLUME:

METHOD USED: ASTM D-56

LEL LOWER: NA

UEL UPPER: NA

AUTO-IGNITION TEMPERATURE: NA

EXTINGUISHER MEDIA: Water, Dry Chemical, Carbon Dioxide, Foam

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE & EXPLOSION HAZARDS: None

SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids, oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: NA

HAZARDOUS POLYMERIZATION: Will NOT occur

CONDITIONS TO AVOID: NA

SECTION 6 – HEALTH HAZARDS

ACUTE: Eye burns, skin irritation

CHRONIC: None Known

SIGNS & SYMPTOMS OF EXPOSURE: Eye irritation – Skin irritation

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NA

CARCINOGEN OR POTENTIAL CARCINOGENS: OSHA: None NTP: None IARC: None ACGIH: None

EMERGENCY FIRST AID:

EYES: Immediately flush with water for 15 minutes. GET MEDICAL ATTENTION IMMEDIATELY!

SKIN: Wash thoroughly with water. Get medical attention if irritation persists.

INHALATION: NA

INGESTION: Drink water, do not induce vomiting, call a physician immediately.

ROUTES OF ENTRY:

INHALATION: NA

EYES: Undiluted liquid can cause irritation/burns.

SKIN: Undiluted can cause skin irritation

INGESTION: Undiluted can cause stomach & throat irritation.

SECTION 7 – SPECIAL PRECAUTIONS & SPILL / LEAK PROCEDURES

HANDLING & STORAGE: Store in a cool dry area. DO NOT FREEZE. Keep closed when not in use.

OTHER PRECAUTIONS: Normal good housekeeping practices.

IN CASE OF SPILL: Shut off leak, if this can be done without injury. Flush area with water. Large spills should be diked with earth; then pump to a salvage tank.

WASTE DISPOSAL: Dispose of in accordance with all Federal, State and Local pollution control regulations.

SECTION 8 – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NA

VENTILATION: Use with adequate ventilation.

PROTECTIVE GLOVES: Rubber or alkali resistant

EYE PROTECTION: Safety Glasses or Goggles

OTHER: Waterproof suit and boots may be worn

HYGIENIC PRACTICES: Wash thoroughly after handling.

SECTION 9 – COMMUNITY RIGHT TO KNOW LIST

	<u>CHEMICAL NAME:</u>	<u>C.A.S. NO.</u>
1.	Water	7732-18-5
2.	Sodium Tripoly Phosphate	7758-29-4
3.	Sodium Metasilicate	6834-92-0
4.	Sodium Dodecylbenzene Sulfonate	25155-30-0
5.	Ethylene Glycol Monobutyl Ether	111-76-2
6.	Ethoxylated Alcohol	68439-45-2

NA = Not Applicable

NE = None Established

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The information herein is furnished without warranty of any kind.