



126 Shove Street - Fall River, MA 02724
orders - 1-800-2-BUY-DYE
technical support - 508-676-3838
email - promail@prochemical.com
www.prochemical.com

MATERIAL SAFETY DATA SHEET PROtreat B4

Product Name:
MSDS Code: PROtreat B-4

Emergency Telephone Numbers:
800-255-3924 ChemTel. (United States)
+ 1 01 813-248-0585 (Outside the United States)

C.I. = Color Index N/A = Not Applicable N.A. = Not Available
N.D. = Not Determined T/S = Trade Secret YPI = Yorkshire Pat-Che.

SECTION I - PRODUCT IDENTIFICATION

Product Name: PROtreat B-4
Chemical Name: Mixture
Chemical Family: Aqueous solution of cationic polyamide
CI/CAS Number: Not Established
Formula: T/S

SECTION II - HAZARDOUS INGREDIENTS

| Component/CAS# | % | TLV/PEL |
|-------------------------|-----|-----------------|
| 1,3-dichloro-2-propanol | 1-5 | Not established |

SECTION III - PHYSICAL DATA

Boiling Point: -213°F Specific Gravity:-1.06
Freezing Point: < -50°F Percent Volatile: N.D.
Melting Point: N/A Vapor Density: N/A
Vapor Pressure: N/A Solubility in Water: Infinite

Evaporation Rate: N/A Percent Evaporation by Weight -80 @ 221 °F
Appearance and Odor: Pale amber to amber clear liquid with little or no odor.

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point: N/A
Flammable Limits: N.D.
Extinguishing Media: Foam, Dry chemical, Carbon Dioxide, Water spray
Special Fire Fighting
Procedures:

Protective clothing and self-contained breathing apparatus should be worn when fighting fires involving chemicals. Use water to keep fire-exposed containers cool.

Unusual Fire & Explosion Hazards: Product will not burn unless water has evaporated.

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: Not established

Toxicity Information: Similar product found to be non-toxic dermally ,when tested in accordance with 16 CFR Part 1500.3 (c) (1) and (2).

Similar product was found to have a LD₅₀ > 0.5 g/kg when tested in accordance with 16 CFR Part 1500.3 (c)(1) and (2).

Similar product was found to be non-toxic by inhalation when tested in accordance with 16 CFR Part 1500.3 (c)(1) and (2).

Similar product was slightly irritating when tested in accordance with 16 CFR Part 1500.3 (c) (1) and (2).

Effects of Overexposure”

Eyes: May cause irritation on prolonged or repeated contact.

Skin: May cause irritation on prolonged or repeated contact.

Inhalation May cause irritation on prolonged or repeated contact. May be harmful if inhaled. Liquid or vapor may cause irritation of nose, throat and lungs. Can cause central nervous system depression.

Ingestion :Not expected to be harmful under normal conditions of use.

Emergency and First Aid

Procedures:

Eyes:

Flush eyes with water for at least 15 minutes. Contact a physician.

Skin:

Remove contaminated clothing. Rinse exposed area with water. Wash thoroughly with soap and water. Contact a physician if irritation persists.

Ingestion:

If swallowed and individual is **CONSCIOUS**, dilute by drinking large quantities of water. Immediately contact a poison control center or hospital emergency room for any other additional treatment directions

Inhalation: Remove individual to fresh air. Contact a physician if irritation develops or persists.

SECTION VI - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Avoid high temperatures, see section IX.

Incompatibility (Materials to Avoid) :None known

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

Hazardous Polymerization: Will not occur
Conditions to avoid : N/A

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Dike spills with absorbent material and shovel into drums for disposal

Waste Disposal Method:

Dispose of in accordance with all local, state, and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Where air contaminants can exceed acceptable criteria, use a NIOSH/MSHA approved respiratory equipment selected based on the form and concentration of contaminants in air.

Ventilation:

Local Exhaust: Recommended

Mechanical: Adequate

Special: None

Other: None

Protective Gloves: Wear impervious gloves

Eye Protection: Wear splash-proof safety glasses. Use goggles if contact is likely

Other Protective Equipment: Eyewash/safety shower facilities available in the work area.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing:

Avoid ingestion, inhalation, eye or skin contact.

Use with ventilation.

Wash hands thoroughly after handling and before eating, drinking, smoking, applying makeup, or using restroom.

Store under cool, dry conditions. Storage life at 70°F is approximately six months, less at higher temperatures (e.g., six days at 145°F).

Not harmed by freezing, but thaw frozen resin slowly and stir before using.

Keep container closed tightly when not in use.

Other Precautions: Wash contaminated clothing before Reuse.

SECTION X – SHIPPING INFORMATION

Proper Shipping Name (49 CFR 172.101): Non Regulated

D.O.T. Hazard Class (49 CFR 172.101): Not Applicable

D.O.T. ID Number (49 CFR 172.101): Not Applicable

D.O.T. Packing Group (49 CFR 172.101): Not Applicable

D.O.T. Modifier (49 CFR 172.202): Not Applicable

SECTION XI - ENVIRONMENTAL/REGULATORY

Toxic Substances Control Act (TSCA): We certify that all components of this product are registered under TSCA.

SARATITLEIIISECTION 313
TOXIC CHEMICALS:

| Component | CAS No. | % |
|-------------|--------------------------------|---|
| None | | |
| VOC Content | < 0.004 lbs./gallon less water | |

SECTION XII - DISCLAIMER

The information and recommendations contained in this data sheet represents, to the best of YPI's knowledge and belief, an accurate representation as to the known data for this material. The data has been obtained from a number of sources, and YPI cannot guarantee its accuracy, reliability, or completeness, nor can YPI assume any liability for any loss or damage arising out of the use of this data. It is the user's responsibility to evaluate the information in a prudent manner and to use it in a manner that is consistent with its particular purpose.

Last Updated On: 02/06/95: