

4. FIRST AID MEASURES

Ingestion: If conscious, give plenty of water to drink. Get medical attention. If unconscious, do not give anything to drink. Get immediate medical attention.

Skin: Wash with mild soap and water. If irritation occurs, get medical attention. If clothing is contaminated, remove and wash before reuse.

Inhalation: Remove to fresh air. Get medical attention.

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

5. FIRE FIGHTING MEASURES

Flash Point:	203°F (95 °C)
Flammable Limits in Air (Lower - % by volume):	Not evaluated
Flammable Limits in Air (Upper - % by volume):	Not evaluated
Auto-Ignition Temperature:	Not evaluated
TDG Flammability Class (Canada):	Not regulated

General Hazards: None known.

Fire Fighting Equipment: Use self contained breathing apparatus

Fire Fighting Extinguishing Media: Foam.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

Hazardous Combustion Products: Burning may produce oxides of carbon, nitrogen or sulfur.

Explosive Data-Sensitivity to Mechanical Impact: Not evaluated.

Explosive Data-Static Discharge: Not evaluated.

Emergency Response Guidebook Information: None

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Absorb onto sand or other absorbent material. Shovel into closable container for disposal. Wear protective equipment specified (Section 8). Do not use water, as large volumes of foam develop and slippery conditions may result.

7. HANDLING AND STORAGE

CAUTION! May cause eye and skin irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. For industrial use only. Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Wear appropriate equipment to prevent probability of exposure and personal contact. Deluge safety shower and eye wash should be located near work area.

Eye Protection: Wear side-shield safety glasses.

Skin Protection: Wear impervious gloves as a standard handling procedure.

Respiratory Protection: Use NIOSH approved respirator where there is likelihood of inhalation of the product mist.

Engineering Controls: Local exhaust recommended, mechanical exhaust acceptable.

Emergency Response Protection: No additional specialized equipment should be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Color:	Pale yellow
Odor:	Slight
Odor Threshold:	Not evaluated
Solubility in Water:	Soluble
Vapor Pressure:	Not evaluated
Specific Gravity:	1.2 (H ₂ O = 1)
Boiling Point:	100°C (212 °F)
Melting Point:	8° C (46 ° F)
Freezing Point:	Not evaluated
Decomposition Temperature:	Not evaluated
Evaporation Rate:	Not evaluated
Bulk Density:	Not evaluated
Vapor Density:	Not evaluated
VOC:	< 15 % For component
pH:	6.5 - 8
Coefficient of water/oil:	~ 2.2 log Pow

Volatile(s): 40%

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: None known.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Eye Irritation: (Rabbits) mild irritant

Skin Irritation: (Rabbits) minimal irritant

Inhalation Toxicity: Not evaluated.

Sensitization: Sensitization (Guinea Pig) - Not a sensitizer

Chronic/Carcinogenicity: Not evaluated.

Teratology: Not evaluated.

Reproduction: Not evaluated.

Mutagenicity: Ames Test - negative

Acute Oral Effects: (Rats) LD50 > 10,000 mg/kg

Acute Dermal Toxicity: Not evaluated.

Additional Information: None

12. ECOLOGICAL INFORMATION

Biodegradability: Not evaluated

Ecotoxicity: (Fathead Minnow) LC50 = 707 mg/l (96 HR)

Daphnia Toxicity: EC50 = 470 mg/l (48 HR)

Biological Oxygen Demand (BOD5): 12 mg O₂/g

Chemical Oxygen Demand (COD): 636 mg O₂/g

Activated Sludge Respiration Inhibition Test: EC50 > 1,000 mg/l

Additional Information: None

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Bury or incinerate in approved site or facility in accordance with local, state (provincial) and federal regulations.

Container Disposal Information: Emptied container may contain product residue and should not be reused.

RCRA Hazard Class: Refer to Section 15: Regulatory Information for RCRA status.

14. TRANSPORT INFORMATION

DOT:**Proper Shipping Name:** Not Regulated**IATA:****Proper Shipping Name:** Not Regulated**IMDG:****Proper Shipping Name:** Not Regulated**TDG:****Proper Shipping Name:** Not Regulated**Additional Information:** None**15. REGULATORY INFORMATION****US Federal Regulations:**

Chemical Weapons Convention (CWC): This product does not contain any chemicals listed under the Chemical Weapons Convention Schedule of Chemicals.

Clean Air Act -Hazardous Air Pollutants (HAP): This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

Clean Air Act - Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act - Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Occupational Safety and Health Act (OSHA): This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Resource Conservation and Recovery Act (RCRA): This product is not considered to be hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 302 - Extremely Hazardous Substances (EHS): This product does not contain any chemicals regulated under Section 302 (40 CFR 355) as extremely hazardous substances.

SARA Title III: Section 304 - CERCLA: This product does not contain any chemicals regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification ("CERCLA" List).

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): Immediate

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

TSCA Section 5(e) - Consent Order / SNUR: This product is not subject to a Section 5(e) Consent Order or Significant New Use Rule (SNUR).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

International Regulations:

Canadian Inventory Status: This product contains only chemicals that are currently listed on the Canadian Domestic Substance List.

Canadian WHMIS: This product contains the following chemicals listed on the Canadian WHMIS Ingredient Disclosure List.

Chemical Name: 2,4-Pentanediol, 2-methyl-

Common Name: Hexylene glycol

CASRN: 107-41-5

Percent in Composition: 15 % by wt

Controlled product, Class D2B

State Regulations:

California Proposition 65: This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

Massachusetts Right-to-Know: The following is required composition information:

Chemical Name: 2,4-Pentanediol, 2-methyl-

Common Name: Hexylene glycol

CASRN: 107-41-5

Percent in Composition: 15 % by wt

New Jersey Right-to-Know: The following is required composition information:

Chemical Name: Fluorochemical anionic surfactant

NJ Registry #: 29943300001-6626P

Chemical Name: Water

CASRN: 7732-18-5

Chemical Name: 2,4-Pentanediol, 2-methyl-

CASRN: 107-41-5

Chemical Name: Sulfuric acid magnesium salt (1:1)

CASRN: 7487-88-9

Chemical Name: 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monosodium salt

CASRN: 5165-97-9

Pennsylvania Right-to-Know: The following is required composition information:

Chemical Name: Fluorochemical anionic surfactant

CASRN: Confidential

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Water

CASRN: 7732-18-5

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: 2,4-Pentanediol, 2-methyl-

CASRN: 107-41-5

Comment: Hazardous Substance

16. OTHER INFORMATION

MSDS No: 44

Approved By: Frances E. Knight
Title: Director, Product Stewardship &
Regulatory Affairs, W&PT

Approved Date: 01/28/03

Supersedes Date: 04/30/02

Revision Summary: Changes in Section(s): 1 & 16.

Disclaimer: For further information, please contact:
Product Stewardship Team:

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This material safety data sheet was prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and with the Workplace Hazardous Materials Information System (WHMIS).

This supersedes any previous information.