

Revision Date: 7-August-2012

Replaces: N/A

Section 1 - Chemical Product and Company Identification

Emergency Response No. (800) 255-3924 (ChemTel)

Product/Chemical Name: Entegrate NE 1100

Product Description/Use: Demulsifier

Company: U.S. Water Services
330 South Cleveland Street
Cambridge, MN 55008

Section 2 - Composition/Information on Ingredients

COMPONENT	EXPOSURE LIMITS	CAS#	% BY WEIGHT
Ethylene/Propylene Oxide Polymer	None Established	proprietary	-

* Composition/specific chemical identities are withheld as a trade secret under the provisions of OSHA hazard communication standard 29 CFR 1910.1200

Section 3 - Hazards Identification

EYE CONTACT: Eye contact may cause irritation.

SKIN CONTACT: contact may cause irritation

SKIN ABSORPTION: contact may cause irritation.

INHALATION: High vapor or product mist may be irritating.

INGESTION: May be harmful if swallowed.

HMIS

Health	1 Slight Hazard
Flammability	1 Slight Hazard
Physical Hazard	0 Minimal Hazard
PPE	C Goggles, gloves, apron

Section 4 - First Aid Measures

EYE CONTACT: Immediately wash eyes with running water for 15 minutes. If irritation persists, get medical attention.

SKIN CONTACT: Wash affected areas with soap and water. Remove and launder

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contaminated clothing. If irritation develops, seek medical attention.

INHALATION: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical help.

INGESTION: if swallowed, get immediate medical attention. **ONLY** induce vomiting at the instructions of medical personnel.

Section 5 - Fire-Fighting Measures

Flash Point: Non combustible

Burning Rate: N/A

Auto-ignition Temperature: Not determined

Lower Flammability Limit (In Air, %): N/A

Upper Flammability Limit (In Air, %): N/A

Extinguishing Media: Use extinguishing media appropriate to surrounding fire.

Unusual Fire or Explosion Hazards: None known

Hazardous Combustion Products: On exposure to extreme heat can give off toxic & corrosive sulfur dioxide gas and hazardous residue.

Fire-Fighting Instructions: Normal fire fighting procedures apply. Use water, Water spray, Foam, CO2, Dry powder. Use water spray to keep containers cool and knock down flames.

Fire-Fighting Equipment: For fires involving this material, do not enter any enclosed or confined fire spaces without proper protective equipment, such as self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Spill/Leak Procedures: Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal. Residual may be cleaned up with water but rinse water may require collection and careful neutralization with acid. Neutralization with acid requires good ventilation as sulfur dioxide gas will be released.

Regulatory Requirements: Do not contaminate water. Dispose of in accordance with all federal, state, and local environmental laws and regulations.

Section 7 - Handling and Storage

Handling Precautions: Follow good industrial hygiene and housekeeping practices. Avoid contact with skin, eyes, and clothing. Avoid breathing mist. Use with adequate ventilation. For Industrial Use Only!

Storage Requirements: Keep away from children. Store in cool, dry area.

Regulatory Requirements: Store in properly labeled container in accordance with all local, state and federal guidelines.

Section 8 - Exposure Controls/Personal Protection

Engineering Controls: Use good general ventilation.

Administrative Controls: No recommendations.

Respiratory Protection: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. Use only NIOSH/MSHA approved respiratory protection for mists of sulfur dioxide gas if these may be generated.

Protective measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.

Eye Protection: Chemical goggles. Eye protection worn must be compatible with respiratory protection system employed.

Skin Protection: Neoprene or natural rubber gloves.

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Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and personal protective equipment.

General Hygiene: Do not eat, drink or smoke in the work area. Wash hands thoroughly before eating, drinking, smoking, chewing, or using the restroom facility.

Section – 9 Physical and Chemical Properties

Specific gravity @60°F	1.0-1.05	pH – 8.5-9.6
Density (lbs/gallon)	8.3 - 8.6	Appearance & odor – Clear, amber liquid
Vapor Density (Air = 1)	> 1	Hazardous polymerization will not occur
Solubility (water)	soluble	Stability - stable
Freeze point	unknown	Pour point - not available
Flash point (TCC)	NA	Percent organic compounds - 100%
Boiling point	not available	Hazardous decomposition products; carbon monoxide, carbon dioxide.
Vapor pressure	not available	
Conditions to avoid	oxidizers	

Section 10 - Stability and Reactivity

Stability: Product stable under normal storage and use conditions.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities: Strong acids and oxidizers.

Conditions to Avoid: Contact with strong acids and oxidizers

Hazardous Decomposition Products: On exposure to extreme heat can give off toxic & corrosive sulfur dioxide gas, hazardous residue and other potentially hazardous compounds.

Section 11 - Toxicological Information

Toxicity:

Toxicology of this product has not been established.

Carcinogenicity: This product contains no known or suspected carcinogens.

Mutagenicity: No mutagenic effects are known for the components of this product.

Teratogenicity: No teratogenic effects are known for the components of this product.

Section 12 - Ecological Information

Aquatic Toxicity: (Sodium Sulfite) 24, 48, 96 hrs TL (mosquito fish) 2600 ppm

Biological Oxygen Demand (BOD): 0.12 lb/lb instantaneous.

Section 13 - Disposal Considerations

Disposal: Review federal, state and local government requirements prior to disposal. Dispose of in an approved waste container.

Disposal Regulatory Requirements: Dispose of in accordance with all federal, state, and local environmental laws and regulations

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Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Non-Regulated
HMIS Label: 1 1 0 C

Section 15 - Regulatory Information

EPA Regulations:

All components of this product are listed (or are not required to be listed) in the TSCA inventory.

SARA TITLE III –CERCLA LIST: This product does not contain any CERCLA listed hazardous substances..

SARA TITLE III-TOXIC CHEMICAL LIST (Sec. 313): This product does not contain any chemicals subject to routine annual toxic chemical release reporting.

SARA TITLE III-EXTREMELY HAZARDOUS SUBSTANCE (Sec. 302/304): This product contains no extremely hazardous substances subject to emergency planning requirements.

Section 16 - Other Information

Prepared By: U.S. Water Services

Revision Notes: Original

Disclaimer:

USER'S RESPONSIBILITY

The information and recommendations contained herein cannot cover all possible situations which the user may experience during storage, handling and use of the product. Each aspect of your operation should be examined to determine if additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

DISCLAIMER OF LIABILITY

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