

MATERIAL SAFETY DATA SHEET



1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name **AGENT 2440-20**
Manufacturer Stepan Company
22 West Frontage Road
Northfield, IL 60093 USA

Telephone Numbers - 24 Hour Emergency Assistance
Medical 800-228-5635
Chemtrec 800-424-9300
Chemtrec Int'l 703-527-3887

Telephone Numbers - General Assistance
General (847) 446-7500

Product Class Anionic/amphoteric/nonionic surfactant blend
Product Number 1549

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Percent
Anionic/amphoteric/nonionic surfactant blend	Confidential	

3 HAZARDS IDENTIFICATION

Emergency Overview

Hazy liquid,
May cause irritation to the eyes, skin, and respiratory system.

Health Effects: Eyes

This product may cause irritation to the eyes.

Health Effects: Skin

This product may cause irritation to the skin. This product may cause an allergic skin reaction.

Health Effects: Inhalation

xxxxxxxxxxThis product is irritating to the respiratory system.

Health Effects: Ingestion

Ingestion of this product may cause nausea, vomiting and diarrhea. Ingestion of this product may cause nausea, vomiting and diarrhea.

4 FIRST AID MEASURES

Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

Skin

For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

Ingestion

If the material is swallowed, get immediate medical attention or advice.

5 FIRE FIGHTING MEASURES

Flash Point (> 93.9 °C), > 201 °F

OSHA Flammability Classification Combustible III B

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog. Dry chemical, foam, water fog.

Fire Fighting Equipment / Instructions

Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES

Emergency Action:

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Do not touch or walk through spilled material. Stop leak if you can do it without risk. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Large Spills: Dike ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas. Wear appropriate personal protective equipment during cleanup.

7 HANDLING & STORAGE

Handling Procedures

Avoid contact with skin and eyes. Wash thoroughly after work using soap and water. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Storage Procedures

Keep the container tightly closed and in a cool, well-ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Use only in well-ventilated areas.

Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves. Wear suitable protective clothing.

Personal Protective Equipment: Respiratory

If irritation is experienced, a NIOSH-approved respirator should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

Personal Protective Equipment: General

Eye wash fountain is recommended.

9 PHYSICAL & CHEMICAL PROPERTIES

Flash Point	(> 93.9 °C), > 201 °F
Specific Gravity	(1.079 g/ml), 8.98 lb/gal @ 25°C
Viscosity	2200 cps @ 40°C
Pour Point	-25.9 °C
pH Value	6.5 - 7.5 @ 10% Aqueous
Freezing Point	(-25.8 °F), -32.1 °C

Appearance and Odor

Hazy liquid,

10 STABILITY & REACTIVITY

Chemical Stability

This is a stable material.

Conditions to Avoid

Keep away from heat, ignition sources and incompatible materials.

Incompatibility

This product is incompatible with oxidizing agents,

Hazardous Decomposition

Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

Hazardous Polymerization

Will not occur.

11 TOXICOLOGICAL INFORMATION

Carcinogenicity

Not available.

Other Toxicological Information

Note: this product may contain 1,4-dioxane as a by-product, which can be absorbed by inhalation and through the skin. Please be advised that 1,4-dioxane is a cancer-suspect agent and can cause liver and kidney injury with over-exposure.

12 ECOLOGICAL INFORMATION

Ecotoxicity

No data available on finished product.

13 DISPOSAL CONSIDERATIONS

Disposal Instructions

This substance, when discarded or disposed of, is not specifically listed as a "Hazardous Waste" in the Federal regulations; however it could be characteristically hazardous if it is considered toxic, corrosive, ignitable, or reactive according to Federal definitions (40 CFR 261). Additionally, it could be designated as hazardous according to state regulations. This substance could also become a hazardous waste if it is mixed with or comes in contact with a hazardous waste. Check 40 CFR 261 to determine whether it is a hazardous waste. If it is a hazardous waste, regulations at 40 CFR 262, 263, 264, 268 and 270 apply. Chemical additions, processing or otherwise altering this material may make the material management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

The transportation, storage, treatment and disposal of this material must be conducted in compliance with all applicable federal, state, and local regulations.

14 TRANSPORT INFORMATION

DOT Proper Shipping Name Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

15 REGULATORY INFORMATION

U.S. Federal Regulations

Ingredient Name	CAS Number	Percent
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Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL), Europe (EINECS/ELINCS/Polymer/NLP), Australia (AICS),

Reportable Quantity (RQ) of this product is 250000 pounds based upon _Methanol(67-56-1) which yielded the lowest resultant RQ according to the following formula: CERCLA ingredient RQ / % of that ingredient in the product.

16 OTHER INFORMATION

Disclaimer

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Completed On 3/5/04 **Replaces Sheet Dated** 07/21/2003
Completed By **Product Safety & Compliance**