

# MATERIAL SAFETY DATA SHEET



## 1. Identification of the Substance and Company

Product Name: RUFECT®  
 Product No: 345RFT  
 Manufactured by: RUHOF CORPORATION  
 Address: 393 Sagamore Avenue, Mineola, NY 11501-1919 USA  
 Emergency Telephone No: 1-800-424-9300 (CHEMTREC)  
 Emergency Telephone No: 1-800-537-8463 (RUHOF)  
 Date Created: April 13, 2009

**NFPA 704 HAZARD  
 RATING:**  
**HEALTH:** 1  
**FIRE:** 0  
**REACTIVITY:** 0  
**SPECIAL** NONE

## 2. Hazardous Ingredients/Identity Information

Hazardous Components:		OSHA PEL		CAS #		%				
N-ALKYL(60% C14,30% C16,5% C12, 5% C18) DIMETHYL BENZYL AMMONIUM CHLORIDES				68391-01-5						
N-ALKYL(68% C12,32% C14)DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDES				68956-79-6						
Sara Hazard:	Fire?	NO	Pressure?	NO	Reactivity?	NO	Acute?	NO	Chronic?	NO

## 3. Hazards Identification

Irritating to eyes and skin.

## 4. First Aid Measures

**Eye Contact:** Flush eyes immediately with water for at least 15 minutes. Get medical attention.

**Skin Contact:** Flush skin immediately with water for at least 15 minutes. Get medical attention if irritation persists.

**Inhalation:** Remove patient to fresh air. If not breathing, give artificial respiration. Get medical attention.

**Ingestion:** Do not induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious person. If conscious, drink a large quantity of milk or water.

## 5. Fire-Fighting Measures

**Conditions of Flammability/Flash Point/Auto-ignition Temperature:** Not flammable.

**Upper Flammable Limit:** Not Applicable

**Lower Flammable Limit:** Not Applicable

**Special Hazards:** None known

**Explosibility Data:** Not Determined

**Extinguishing Media:** Use media appropriate for the primary source of fire.

**Special Fire Fighting Procedures:** None known.

**Hazard Combustion Products:** CO, CO2

## 6. Accidental Release Measures

Spills may be picked up with a mop and followed by a water rinse. Small spills may be flushed to a sanitary sewer with copious amounts of water if in accordance with National and local regulations.

## 7. Handling and Storage

**Handling:** Wash hands thoroughly after use.

**Storage:** Avoid exposure to high temperature or humidity. Keep container closed when not in use. Keep from freezing.

## 8. Exposure Control/Personal Protection

Respiratory Protection: NIOSH-approved mask if mist is likely. Normal handling and use as directed do not involve generation of mist, but respiratory protection is recommended for persons with allergies or respiratory sensitivity.

Eye Protection: Safety glasses or goggles.

Protective Gloves: Plastic or Rubber.

Other Protective Clothing and Equipment: Apron

Other Work/Hygiene Precautions: Wash contaminated clothing before reuse.

## 9. Physical and Chemical Properties

Appearance: LIGHT COLORED CLEAR LIQUID

Odor: MILD ODOR

pH: 11.5-12

Boiling Point: 212°F

Melting Point: NA

Evaporation Rate: 1

Evaporation Standard: WATER

Specific Gravity (Water = 1): 1.03

Vapor Pressure (mm Hg): AS WATER

Relative Vapor Density (Air = 1): N/A

Solubility in Water: COMPLETE

## 10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatible Materials: Strong oxidizers, strong acids.

Conditions to Avoid/ Conditions of Reactivity: NONE

Hazardous Decomposition or Byproducts: oxides of nitrogen and carbon in fire situations.

## 11. Toxicological Information

Carcinogenicity? NO NTP? NO IARC? NO OSHA Regulated? NO

Mutagenicity? NO Reproductive Toxin? NO Possible Sensitizer? NO

## 12. Ecological Information: Not Determined

**13. Disposal Considerations:** Dispose in accordance with local, state, and Federal regulations. Empty containers should be rinsed and discarded in a waste container or offered for recycling if possible. Do not use empty containers for other purposes. Follow all national or regional regulations for disposal.

## 14. Transport Information:

Ground: Non-hazardous, Sea: IMDG Class: Non-hazardous, Air: ICAO/IATA Class: Non-hazardous

## 15. Regulatory Information:

Special Health and Safety Information: None

Classification, Risk, and Safety Information for Label: R36/38 Irritating to eyes and skin. S24/25 Avoid contact with skin and eyes. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

## 16. Other Information:

The information provided in this safety data sheet has been obtained from sources believed to be reliable. The manufacturer provides no warranties; either expressed or implied, and assumes no responsibility for accuracy or completeness of the data contained herein. The information is offered for your consideration and investigation. You should satisfy yourself that you have all current data relevant to your particular use. The manufacturer knows of no medical conditions other than those noted on this safety data sheet, which are generally recognized as being aggravated by exposure to this product.