

MATERIAL SAFETY DATA SHEET

PRODUCT:
RUFECT

D.O.T. : Not Regulated or Regulated
Shipping Name (If regulated) :

SECTION I

Manufactured By:
RUHOF CORPORATION
393 SAGMORE AVENUE
MINEOLA NY 11501-1919

Emergency Phone: 1-800-424-9300
Information Phone: 516-294-5888
Date Prepared: 10/20/06
Signature of Preparer (optional):

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components:	OSHA PEL	CAS #	%
Specific Chemical Identity (Common Name) :			
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? YES Chronic? NO			

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	212 F	Specific Gravity (water=1):	1.03
Vapor Pressure (mm Hg) :	AS WATER	Melting Point:	N/A
Vapor Density (Air=1):	N/A	Evaporation Rate:	1
pH:	11.5-12.0	Evaporation Standard:	WATER
Solubility in Water:	COMPLETE		
Appearance & Odor:	LIGHT-COLORED LIQUID, MILD ODOR		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) : NONE
Flammable Limits in Air (%): NONE Lower: N/A Upper: N/A
Extinguishing Media: NOT FLAMMABLE

Special Fire Fighting Procedures:
FIGHT SURROUNDING FIRE

Ratings	NFPA	HMIS
Health	1	0
Fire	0	0
Reactivity	0	0

Fire/Explosion Hazards:
NONE

SECTION V – REACTIVITY DATA

Stability: Unstable Stable
Conditions to Avoid: NONE
Materials to Avoid: STRONG ACIDS, STRONG OXIDIZING AGENTS
Hazardous Decomp/Byproducts: OXIDES OF NITROGEN AND CARBON
Hazardous Polymerization: May Occur Will Not Occur
Conditions to Avoid: NONE

=====SECTION VI – HEALTH HAZARD DATA=====

Routes of Entry: Inhalation?YES Skin?YES Ingestion?YES

Acute & Chronic Health Hazards:

EYES: IRRITATION. SKIN: NO SPECIFIC HAZARD. INHALATION: HIGH VAPOR CONCENTRATIONS CAN CAUSE UPPER RESPIRATORY TRACT IRRITATION AND NARCOSIS. INGESTION: IRRITATION OF MUCOUS MEMBRANES, NARCOSIS.

Carcinogenicity:NO **NTP:**NO **IARC:**NO **OSHA Regulated:**NO

Signs/Symptoms of Exposure:

SKIN, EYE AND RESPIRATORY IRRITATION.

Medical Conditions Generally Aggravated by Exposure:

DERMATITIS

Emergency and First Aid Procedures:

INGESTION- RINSE MOUTH AND THROAT WITH WATER. SKIN AND EYES- FLUSH WITH FRESH WATER-IN THE CASE OF ANY SYMPTOMS-SEE DOCTOR.

=====SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE=====

In case Material is Released or Spilled:

ABSORB IN INERT MATERIAL OR MOP UP SMALL SPILLS AND FLUSH TO SEWER. LARGE SPILLS SHOULD BE COLLECTED FOR DISPOSAL.

Waste Disposal Method:

SMALL: MOP TO SEWER. LARGE: COLLECT IN INERT MATERIAL AND LANDFILL.

Precautions to be Taken in Handling and Storing:

WEAR RUBBER OR PLASTIC GLOVES AND PROTECTIVE EQUIPMENT.

Other Precautions:

WASH CONTAMINATED CLOTHING BEFORE REUSE.

=====SECTION VIII – CONTROL AND PROTECTION MEASURES=====

Respiratory Protection:

USUALLY NOT NEEDED.

Ventilation: YES **Special Ventilation:** NO **Local Exhaust Needed:** NO **Mechanical:** YES **Other:** NO
(General)

Protective Gloves: RUBBER OR PLASTIC

Eye Protection: RECOMMENDED

Clothing/Equipment: NONE

Work/Hygiene: EYEWASH NEARBY WASH CONTAMINATED CLOTHING BEFORE REUSE.

=====

The information provided in this MSDS 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 MSDS, which are generally recognized as being aggravated by exposure to this product.