

**MATERIAL SAFETY DATA SHEET**

**PRODUCT:**  
F.O.E. CODE 3

**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:** 6/16/03  
**Signature of Preparer (optional):**

**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>Hazardous Components:</b>	<b>OSHA PEL</b>	<b>CAS #</b>	<b>%</b>
Specific Chemical Identity (Common Name) : ETHANOL	1000ppm	64-17-5	

**Sara Hazard:** Fire? NO Pressure? NO Reactivity? NO Acute? YES Chronic? NO

**SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b>	220 F	<b>Specific Gravity (water=1):</b>	1.0
<b>Vapor Pressure (mm Hg) :</b>	AS WATER	<b>Melting Point:</b>	N/A
<b>Vapor Density (Air=1):</b>	N/A	<b>Evaporation Rate:</b>	1.0
<b>pH:</b>	6.0-7.5	<b>Evaporation Standard:</b>	WATER
<b>Solubility in Water:</b>	COMPLETE		
<b>Appearance &amp; Odor:</b>	CLEAR GREEN LIQUID WITH A PLEASANT ODOR		

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (Method Used) :** NONE  
**Flammable Limits in Air (%):** N/A Lower: N/A Upper: N/A  
**Extinguishing Media:** FOG, FOAM, CO2

**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 OXIDIZING AGENTS  
**Hazardous Decomp/Byproducts:** CO2  
**Hazardous Polymerization:** May Occur  Will Not Occur   
**Conditions to Avoid:** NONE

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

**Routes of Entry:** Inhalation?YES Skin?YES Ingestion?NO

**Acute & Chronic Health Hazards:**

ACUTE-IRRITATION OF SKIN AND EYES.  
CHRONIC-NOT PRESENTLY KNOWN

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

**Signs/Symptoms of Exposure:**

IRRITATION OF SKIN AND EYES.

**Medical Conditions Generally Aggravated by Exposure:**

SENSITIVITY TO NASAL AREA, SKIN AND EYES.

**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 AND DISPOSE WITH DRY WASTE, OR MOP UP AND DISPOSE OF TO SANITARY SEWER.

**Waste Disposal Method:**

LAND FILL OR SEWER-BIODEGRADABLE

**Precautions to be Taken in Handling and Storing:**

STORE IN COOL DRY AREA. HANDLE WITH USUAL PRECAUTIONS FOR CHEMICALS.

**Other Precautions:**

NONE

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

**Respiratory Protection:**

NONE NEEDED.

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

**Protective Gloves:** NOT USUALLY NEEDED.

**Eye Protection:** NOT USUALLY NEEDED.

**Clothing/Equipment:** N/A

**Work/Hygiene:** WASH CONTAMINATED CLOTHING BEFORE REUSE

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