

Material Safety Data Sheet

I. GENERAL INFORMATION	
<u>TRADE NAME</u> Top Savor Liquid	<u>CHEMICAL FAMILY</u> Acids
<u>PROPER DOT SHIPPING NAME</u> None	<u>DOT HAZARD CLASSIFICATION</u> N/A
<u>MANUFACTURER</u> Kemin Industries, Inc.	<u>MANUFACTURER PHONE NUMBER</u> (515) 559-5100
<u>ADDRESS</u> 2100 Maury Street	<u>CITY/STATE/ZIP</u> Des Moines, Iowa 50317

II. INGREDIENTS		
PRINCIPAL COMPONENTS	PERCENT	THRESHOLD LIMIT VALUE
Propionic Acid	N/A	10 ppm
Water	N/A	N/A
Acetic Acid	N/A	10 ppm
Sodium Hydroxide	N/A	2 mg/m ³
Ammonium Hydroxide	N/A	N/A
Benzoic Acid	N/A	N/A
Sorbic Acid	N/A	N/A
Methylparaben	N/A	N/A
Propylparaben	N/A	N/A
FD and C Red No. 40	N/A	N/A

III. PHYSICAL DATA	
<u>APPEARANCE & ODOR:</u> Clear red liquid with fruit-like odor	
<u>BOILING POINT:</u> N/A	<u>SOLUBILITY IN WATER:</u> N/A
<u>VAPOR PRESSURE:</u> N/A	<u>SPECIFIC GRAVITY:</u> 1.07 – 1.09
<u>VISCOSITY:</u> 37 cps at 25° C	<u>PERCENT VOLATILE:</u> N/A
<u>EVAPORATION RATE</u> (=1): N/A	<u>REFRACTIVE INDEX:</u> 1.41 – 1.42

IV. FIRE & EXPLOSION HAZARD DATA		
<u>FLASH POINT (TEST METHOD):</u> (° F) Tag Closed Cup ASTM D56-79		
<u>FLAMMABLE LIMITS:</u>	<u>LEL:</u> N/A	<u>UEL:</u> N/A
<u>EXTINGUISHING MEDIA:</u> None		
<u>SPECIAL FIRE FIGHTING PROCEDURES:</u> None		
<u>UNUSUAL FIRE & EXPLOSION HAZARDS:</u> None		

V. HEALTH HAZARD DATA	
<u>EYE CONTACT:</u>	Flush eyes with water at least 15 minutes. Consult a physician.
<u>SKIN CONTACT:</u>	Wash with water.
<u>INHALATION:</u>	Handle in well ventilated area. Remove to fresh air.
<u>INGESTION:</u>	Consult a physician.
<u>EMERGENCY FIRST AID:</u>	Whenever first aid is required, it should be given immediately. Prompt treatment may greatly decrease the severity of the effect.

VI. REACTIVITY DATA		
<u>STABILITY:</u>	Unstable..... <input type="checkbox"/> Stable..... <input checked="" type="checkbox"/>	<u>CONDITIONS TO AVOID:</u> N/A
<u>INCOMPATIBILITY:</u>	None	<u>MATERIALS TO AVOID:</u> N/A
<u>HAZARDOUS POLYMERIZATION:</u>	May Occur <input type="checkbox"/> Not Occur..... <input checked="" type="checkbox"/>	<u>CONDITIONS TO AVOID:</u> N/A
<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u>	None	

VII: ENVIRONMENTAL PROTECTION PROCEDURES

SPILL RESPONSE: Adjust the pH prior to appropriate disposal.

WASTE DISPOSAL: Dispose in accordance with federal, state, and local regulations.

VIII: SPECIAL PROTECTION INFORMATION

EYE PROTECTION:

Goggles recommended.

SKIN PROTECTION:

Avoid prolonged exposure. Rubber gloves recommended.

RESPIRATORY INFORMATION:

Use of a NIOSH approved respirator is recommended if exposure may, or does exceed occupational exposure limits.

VENTILATION RECOMMENDED

Local exhaust recommended.

OTHER PROTECTION:

IX. SPECIAL PRECAUTIONS

OTHER PRECAUTIONS:

ISSUE DATE:

06/20/01

SUPERSEDES:

05/09/01