

Material Safety Data Sheet

I. GENERAL INFORMATION	
<u>TRADE NAME</u> KEM SAN [®] Liquid	<u>CHEMICAL FAMILY</u> Acidifier
<u>PROPER DOT SHIPPING NAME</u> NONE	<u>DOT HAZARD CLASSIFICATION</u> NONE
<u>MANUFACTURER</u> Kemin Industries, Inc.	<u>MANUFACTURER PHONE NUMBER</u> (515) 559-5100
<u>ADDRESS</u> 2100 Maury Street EPA REG. NO. 8596-31	<u>CITY/STATE/ZIP</u> Des Moines, Iowa 50317

II. INGREDIENTS		
PRINCIPAL COMPONENTS	PERCENT	THRESHOLD LIMIT VALUE
Propionic Acid	70.5%	10 ppm
Inert Ingredients (includes these ingredients with specified threshold limit values):	29.5%	
Acetic Acid	N/A	10 ppm
Sodium Hydroxide	N/A	2 mg/m ³

III. PHYSICAL DATA	
<u>APPEARANCE & ODOR:</u> A clear to light amber liquid with a acrid odor	
<u>REFRACTIVE INDEX:</u> 1.41 – 1.43	<u>STABILITY:</u> Good
<u>WEIGHT PER GALLON:</u> 9.02 lbs/gal	<u>SPECIFIC GRAVITY:</u> 1.06 – 1.10
<u>VAPOR DENSITY (Air = 1):</u> N/A	<u>VISCOSITY:</u> 60 – 80 cps at 25° C
<u>EVAPORATION RATE (=1):</u> N/A	<u>pH:</u> 4.7 – 5.7

IV. FIRE & EXPLOSION HAZARD DATA		
<u>FLASH POINT (TEST METHOD):</u> (>200° 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>EFFECTS OF :</u> <u>OVEREXPOSURE</u>	Overexposure to this product will not cause any adverse physical effects. For information pertaining to specific area exposure, consult the following.
<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> None
<u>INCOMPATIBILITY:</u>	None	<u>MATERIALS TO AVOID:</u> None
<u>HAZARDOUS POLYMERIZATION:</u>	May Occur <input type="checkbox"/> Not Occur..... <input checked="" type="checkbox"/>	<u>CONDITIONS TO AVOID:</u> None
<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: Store in a dry place above 40° F to prevent freezing. Keep container closed when not in use.

ISSUE DATE:

06/22/07

SUPERSEDES:

05/18/04