

Material Safety Data Sheet

I. GENERAL INFORMATION	
<u>TRADE NAME</u> Grain Shield Liquid	<u>CHEMICAL FAMILY</u> Mold Inhibitor
<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	<u>CITY/STATE/ZIP</u> Des Moines, Iowa 50317

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

III. PHYSICAL DATA	
APPEARANCE & ODOR: Light amber with a sharp pungent odor.	
FREEZING POINT N/A	SOLUBILITY IN WATER: N/A
VISCOSITY 45-50 cps at 25°C	SPECIFIC GRAVITY: 1.065-1.100
BOILING POINT N/A	PERCENT VOLATILE N/A
EVAPORATION RATE (=1): N/A	pH: 4.4-4.8

IV. FIRE & EXPLOSION HAZARD DATA		
FLASH POINT (TEST METHOD): (>142°F) Tag Closed Cup ASTM D56-79		
FLAMMABLE LIMITS:	LEL: N/A	UEL: N/A
EXTINGUISHING MEDIA: Water		
SPECIAL FIRE FIGHTING PROCEDURES: None		
UNUSUAL FIRE & EXPLOSION HAZARDS: None		

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

VI. REACTIVITY DATA		
STABILITY:	Unstable..... <input type="checkbox"/> Stable..... <input checked="" type="checkbox"/>	CONDITIONS TO AVOID: N/A
INCOMPATIBILITY:		MATERIALS TO AVOID: N/A
HAZARDOUS POLYMERIZATION:	May Occur <input type="checkbox"/> Not Occur..... <input checked="" type="checkbox"/>	CONDITIONS TO AVOID: N/A
HAZARDOUS DECOMPOSITION PRODUCTS:		

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:

04/28/04

SUPERSEDES:

06/13/01