

Material Safety Data Sheet

I. GENERAL INFORMATION	
<u>TRADE NAME</u> Endox Dry	<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) 266-2111
<u>ADDRESS</u> 2100 Maury Street	<u>CITY/STATE/ZIP</u> Des Moines, Iowa 50317

II. INGREDIENTS		
PRINCIPAL COMPONENTS	PERCENT	THRESHOLD LIMIT VALUE
Ethoxyquin	N/A	N/A
BHA	N/A	N/A
EDTA	N/A	N/A
Phosphoric Acid	N/A	N/A
Citric Acid	N/A	N/A
Mono- and Diglycerides	N/A	N/A
BHT	N/A	N/A

IIA. HAZARDOUS COMPONENTS	PERCENT	ACGIH TLV-TWA
Calcium Silica	50.00	0.1 mg/M³
(Crystalline Silica CAS# 14808-60-7)		
OSHA PEL: Exposure to airborne crystalline silica shall not exceed an 8-hour time-weighted average limit as stated in 29 CFR § 1910.1000 Table Z-3 for Mineral Dusts, specifically "Silica: Crystalline: Quartz"		

III. PHYSICAL DATA	
APPEARANCE & ODOR: Light tan powder, slightly pungent odor	
BOILING POINT: N/A	SOLUBILITY IN WATER: N/A
VAPOR PRESSURE: N/A	SPECIFIC GRAVITY: N/A
VAPOR DENSITY (Air = 1): N/A	PERCENT VOLATILE: N/A
EVAPORATION RATE (=1): N/A	pH: 2.2-3.0

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

V. HEALTH HAZARD DATA	
ROUTE(S) OF ENTRY: Inhalation? Yes Skin? No Ingestion? No	
ACUTE & CHRONIC: Excessive inhalation of dust may result in respiratory disease including pneumoconiosis, silicosis and pulmonary fibrosis. The International Agency for Research on Cancer (IARC) has evaluated in Vol. 42, Monographs on the Evaluation of the Carcinogenicity Risk of chemicals to Humans, Silica and Some Silicates (1987), that there is "sufficient evidence for the carcinogenicity of crystalline silica to experimental animals" and "limited evidence" with respect to humans.	
CARCINOGENICITY: NTP? No IARC Monographs? Yes OSHA Regulated? NO Level 2A Grouping	
SIGNS & SYMPTOMS OF EXPOSURE: Symptoms of excessive exposure include shortness of breath and reduced pulmonary function. This inert material gives no potential acute toxic hazard.	

V. HEALTH HAZARD DATA CONTINUED . . .

MEDICAL CONDITIONS : GENERALLY AGGRAVATED BY EXPOSURE	Individuals with pulmonary and/or respiratory disease, including, but not limited to, asthma and bronchitis, or subject to eye irritation should be precluded from exposure.
EYE CONTACT:	Flush eyes with water at least 15 minutes. Consult a physician.
SKIN CONTACT:	Wash with water.
INHALATION: respiration	Handle in well ventilated area. Remove to fresh air. Give oxygen with artificial respiration as needed.
INGESTION:	Consult a physician. Seek medical attention for treatment, observation, and support as needed.
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: None
INCOMPATIBILITY:	None	MATERIALS TO AVOID: None
HAZARDOUS POLYMERIZATION	May Occur <input type="checkbox"/> Not Occur..... <input checked="" type="checkbox"/>	CONDITIONS TO AVOID: None
HAZARDOUS DECOMPOSITION PRODUCTS:	None	

VII: ENVIRONMENTAL PROTECTION PROCEDURES

SPILL RESPONSE:	Spills may be swept up for recovery or appropriate waste 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 a 3M 7000 series half face respirator and a 7253 cartridge or its equivalent. The NIOSH number for this combination is TC23C-446.	VENTILATION RECOMMENDED Local exhaust recommended.
	OTHER PROTECTION: To meet PEL requirements

IX. SPECIAL PRECAUTIONS

OTHER PRECAUTIONS:	Avoid creating and breathing dust.
---------------------------	------------------------------------

ISSUE DATE:	03/15/95	SUPERSEDES:	02/23/95
--------------------	----------	--------------------	----------