

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

**U.S. Department of Labor**  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



Note. Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Manufacturer's Name

Emergency Telephone Number

Telephone Number for Information  
(800) 535-7479

Date Prepared  
8-9-91

Signature of Preparer (optional)

Hazardous Components (Specific Chemical Identity; Common Name(s))

OSHA PEL

ACGIH TLV

Other Limits  
Recommended

96 (optional)

none known

### Boxing Point

n/a

Specific Gravity ( $H_2O = 1$ )

n/a

Vapor Pressure (mm Hg.)

Mating Point	Number of Males	Number of Females	Number of Offspring
1			
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Vapor Density (AIR = 1)

Evaporation Rate  
(Butyl Acetate = 1)

Solubility in Water  
complete

### Appearance and Odor

Brownish powder with slight odor

### Flash Point (Method Used)

Flash Point (Method Used) glowing combustion temp. 990deg.

### Flammable Limits

LEL

VEL

### Extinguishing Media

Water or  $\text{CO}_2$  foam

### Special Fire Fighting Procedures

none needed

### Unusual Fire and Explosion Hazards

May form explosive mixture with air. Lower explosive limit 0.0433 oz. cu. ft.

## Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable	Strong oxidizing agent

Incompatibility (Materials to Avoid)  
none known

Hazardous Decomposition or Byproducts  
sulfur dioxide

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	

## Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
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Health Hazards (Acute and Chronic)  
Acute: Studies to determine acute oral toxicity of lignosulfonates to rats produced no death from which an LD<sub>50</sub> could be determined.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
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Signs and Symptoms of Exposure

Medical Conditions  
Generally Aggravated by Exposure

## Emergency and First Aid Procedures

Eyes: irrigate with potable water. Skin: skin should be flushed with clean water.

Inhalation: remove from dusty area. Ingestion: Induce vomiting.

## Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

1) Mechanically collect and remove spilled material.

2) Area may be flushed and washed with water if desired

## Waste Disposal Method

sweep up and bury or incinerate or flush to sewer. Disposal of all waste materials must be in accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Store in dry area to protect from caking.

Other Precautions

none

## Section VIII — Control Measures

Respiratory Protection (Specify Type)

use standard dust mask

Ventilation	Local Exhaust	Special
	mechanize dust	
	Mechanical (General)	Other

Protective Gloves recommended for prolonged exposure

Eye Protection  
goggles

Other Protective Clothing or Equipment

## Work Hygiene Practices

Personal hygiene should be encouraged so that all clothing items which contact are changed daily.