

1/5/2011

## Material Safety Data Sheet Low Tox Hardener

Low Tox Hardener 30-LOWTOX016; 30-LOWTOX032; 30-LOWTOX064; 30-LOWTOX1G;  
30-LOWTOX4G; 30-LOWTOX5G; 30-LOWTOX15G; 30-LOWTOX27.5; 30-LOWTOX55.

### 1. Chemical product and company identification

**Product name:**

Low Tox Hardener 30-LOWTOX016; 30-LOWTOX032; 30-LOWTOX064; 30-LOWTOX1G; 30-LOWTOX4G  
30-LOWTOX5G; 30-LOWTOX15G; 30-LOWTOX27.5; 30-LOWTOX055.

**CAS:**

68410-23-1

**Product use:**

Additive

**Supplier**

Phoenix Resins Inc  
2615 River Road #3A  
Cinnaminson, NJ 08077  
Phone: +1 (888) 627-3769  
Fax-no.: +1 (856)303-2889

**Emergency Information Chemtrec:**

+1-800-424-9300

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### 2. Composition / information on ingredients

**General chemical description:**

Polyamide Resin

COMPONENT:	CAS-No.	CONCENTRATION (Wt. %):
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	68410-23-1	100

### 3. Hazards identification

#### EMERGENCY OVERVIEW

**Warning.:Warning.:** May be harmful if swallowed.  
May cause irritation of the respiratory tract if inhaled.  
Causes skin and eye irritation. Causes gastrointestinal irritation. May cause irritation of the respiratory tract if inhaled.  
Causes serious eye irritation.  
Risk of serious damage to eyes.

**State:** liquid

**Odor:** ammoniacal

**Color(s):** amber

**Routes of entry:** Skin contact Skin contact

**Potential Health Acute Effects: Inhalation:**

May cause respiratory irritation.  
May cause respiratory irritation.

**Skin contact:**

Causes skin irritation.  
May cause skin irritation.

**Eye contact:**

Causes serious eye irritation.  
Causes serious eye irritation.

**Ingestion:**

May be harmful if swallowed in large quantities.  
Harmful if swallowed.

**Potential Chronic Health Effects:**

None known  
None known

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### 4. First aid measures

**After inhalation:**

Move to fresh air.  
If adverse health effects develop seek medical attention. Move to fresh air.  
If adverse health effects develop seek medical attention.

**After skin contact:**

Rinse with plenty of water.  
Remove contaminated clothes. Get medical attention.  
Rinse with plenty of water. Remove contaminated clothes.  
Get medical attention.

**After eye contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical attention immediately.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

**After ingestion:**

Do not induce vomiting.  
The victim should drink several glasses of water to dilute the ingested substance. If vomiting occurs naturally, keep airway clear.  
Get medical attention.

Never give anything by mouth if the victim is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

The victim should drink several glasses of water to dilute the ingested substance. If vomiting occurs naturally, keep airway clear.

Get medical attention.

Never give anything by mouth if the victim is rapidly losing consciousness, or is unconscious or convulsing.

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## 5. Fire fighting measures

### **Flash point:**

359,96 °F (182.2 °C)

ASTM D 92-97; QP 1363.2; Flash and Fire Points by Cleveland Open

### **Flammable/Explosive limits: Lower limits:**

Not determined.

### **Upper limits:**

Not determined.

### **Suitable extinguishing media:**

Water Spray

Foam.

Carbon dioxide. Dry Chemical

### **Special protection equipment for firefighters:**

Wear full protective clothing.

Wear self-contained breathing apparatus.

### **Unusual fire or explosion hazards:**

None known

## 6. Accidental release measures

### **Environmental precautions:**

Collect rinsate for disposal.

### **Process for cleaning and take-up:**

Pick up spilled material and containerize for recovery or disposal.

Using adequate protective equipment, add dry material to absorb spill (if large spill, first dike to contain). Flush area with dilute ( 5%) acetic acid.

## 7. Handling and storage

### **Storage:**

#### **Storage conditions to keep:**

Store in a cool, dry place.

Store in sealed original container.

## 8. Exposure controls / personal protection

### **Indication for system design:**

Local exhaust ventilation recommended.

### **Personal protection measures: Respiratory protection:**

Respirator with organic vapor cartridge.

Not applicable with adequate ventilation.

### **Hand protection:**

Protective gloves made of plastic. Protective gloves made of rubber.

**Eye protection:** Wear tight fitting goggles.

## 9. Physical and chemical properties

### General description:

State:	liquid
Odor:	ammoniacal
Color(s):	amber

### Designation

Density  
Solubility in Water  
Analysis of Volatile matter  
Analysis of Volatile organic components

### Method

no information  
no information  
no information

## 10. Stability and reactivity

### Stability:

**Conditions to avoid:** None known

### **Dangerous decomposition products:**

None if used for intended purpose.

### **Decomposition advices:**

No decomposition if used according to specifications.

### **Reactivity: Materials to avoid:**

None known

### **Hazardous polymerization:**

Will not occur

## 11. Toxicological information

### **Acute oral toxicity:**

LD50 > 5000 mg/kg body weight

### **Acute dermal toxicity:**

LD50 > 5000 mg/kg body weight

### **Skin irritation:**

slightly irritating

### **Eye irritation:**

severely irritating

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## 12. Ecological information

**General ecological information:** no data available

**Advice of environmental fate:** Not determined.

## 13. Disposal considerations

### **Waste disposal of product:**

Dispose of in an approved landfill in accordance with federal, state / provincial and local regulations.  
This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR 261.

## 14. Transport information

### U.S. Department of Transportation Ground (49 CFR):

Less than 4 gals = **ORM-D Consumer Commodity**

**Proper shipping name (bulk):** Environmentally hazardous substances, liquid, n.o.s.  
(dimer fatty acid(C18)poly amido amine resin)  
**Hazard class or division:** 9  
**Danger Labels:** 9  
**Identification number:** UN 3082  
**Packing group:** III  
**Marine pollutant:** None  
**ERG/EMS:** 171  
**RQ:** None

### International Air Transportation (ICAO/IATA):

**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s.  
(dimer fatty acid(C18)poly amido amine resin)  
**Hazard class or division:** 9  
**Danger Labels:** 9  
**Identification number:** UN 3082  
**Packing group:** III  
**RQ:** None

### Water Transportation (IMO/IMDG):

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (dimer fatty  
acid(C18)poly amido amine resin)  
**Hazard class or division:** 9  
**Danger Labels:** 9  
**Identification number:** UN 3082  
**Packing group:** III  
**Marine pollutant:** None  
**ERG/EMS:** F-A;S-F  
**RQ:** None

The transport information provided represents the regulatory transport classification of the product without consideration to packaging, quantity, or modal restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.

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## 15. Regulatory information

**TSCA Inventory Status:** This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

**SARA 311/312 Hazard Categories:** Immediate Health

**TSCA 12(b) Components:** none

**SARA 313 Toxic Chemicals:** none

**SARA 302 Extremely Hazardous Substances:** none

**CERCLA Hazardous Chemicals:** none

**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

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## 16. Other information

NFPA Rating (US)	Value
Health	2
Fire	1
Reactivity	0
Special Hazard	

HMIS Rating (US)	Value
Health	2
Flammability	1
Reactivity	0

**All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is being made as to the effects of such use, the results obtained, or the safety and toxicity of the product nor is there any assumed liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.**