

Trade name: ALEXSEAL-Epoxy Primer Accelerator A4030

Product no.: 9075600000000

Version: 2.0.0 / USA

Status: 2/11/2007

## 1.) Identification of the substance/preparation and company

### Product details

#### Trade name

**ALEXSEAL-Epoxy Primer Accelerator A4030**

### Identification of the manufacturer / supplier

#### Address

Mankiewicz Coatings L.L.C  
831 South 21st Street  
St. Louis, Missouri 63103  
USA

Telephone no. +1 314 783-2110

#### Emergency telephone number

CHEMTREC: 800-424-9300 OR 703-527-3887

## 2.) Hazards identification

### Immediate hazards

#### General

DANGER

Causes severe irritation to skin and eyes.

Harmful if inhaled, absorbed through skin, or swallowed.

Flammable liquid and vapor.

May cause skin and eye irritation

May cause respiratory tract irritation.

### Potential Health Effects

#### Eye

Causes: eye burns

#### Skin

Causes: skin burns; Harmful if absorbed through the skin.

#### Inhalation

May cause respiratory tract irritation.

#### Ingestion

Harmful if swallowed. Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

#### Cancer

None of the components present in this material at concentrations equal or greater than 0.1% is listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

## 3.) Composition / information on ingredients

### Chemical characterization

Mixture (preparation)

### Hazardous ingredients

#### TOLUENE

CAS no. 108-88-3

Concentration > 30 < 50 %-b.w.

#### 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

CAS no. 90-72-2

Concentration > 10 < 30 %-b.w.

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## 4-METHYLPENTAN-2-ONE

CAS no. 108-10-1

Concentration > 30 < 50 %-b.w.

### 4.) First aid measures

#### General information

In all cases of doubt, or when sickness symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Remove soiled or soaked clothing immediately.

#### After inhalation

Remove to fresh air, keep patient warm and at rest. Irregular breathing/no breathing: artificial respiration. If unconscious place in recovery position and seek medical advice.

#### After skin contact

Wash skin thoroughly with soap and water or use recognised skin cleaner. Do NOT use solvents or thinners !

#### After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

#### After ingestion

Do not induce vomiting. Keep at rest. Call a doctor.

### 5.) Firefighting measures

#### Suitable extinguishing media

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray

#### Extinguishing media that must not be used for safety reasons

Full water jet

#### Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

#### Special protective equipment for firefighting

As in any fire, wear self-contained breathing apparatus pressure - demand, MSHA/ NIOSH (approved or equivalent) and full protective gear.

#### Other information

Cool endangered containers with water in case of fire. Do not allow run-off from firefighting to enter drains or water courses.

### 6.) Accidental release measures

#### Personal precautions

Exclude sources of ignition and ventilate the area. Do not inhale vapours. Refer to protective measures listed in sections 7 and 8.

#### Environmental precautions

Do not allow to enter drains. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

#### Methods for cleaning up/taking up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container for disposal.

### 7.) Handling and storage

#### Handling

##### Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour

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concentrations higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Comply with the health and safety at work laws. Do not eat or drink during work - no smoking.

**Advice on protection against fire and explosion**

Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing. No sparking tools should be used. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.

**Storage**

**Requirements for storage rooms and vessels**

Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Hints on storage assembly**

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

**Further information on storage conditions**

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place.

**8.) Exposure controls / personal protection**

**Additional hints on technical system design.**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

**Exposure limit values**

**TOLUENE**

CAS no. 108-88-3  
EC no. 203-625-9

**ACGIH**

Toluene  
TWA 50 ml/m<sup>3</sup>  
Skin resorption / Skin  
sensibilisation

**LIMITS FOR AIR CONTAMINANTS (OSHA)**

Toluene  
TWA 200 ml/m<sup>3</sup>  
Ceiling Limit 300 ml/m<sup>3</sup>

**4-METHYLPENTAN-2-ONE**

CAS no. 108-10-1  
EC no. 203-550-1

**LIMITS FOR AIR CONTAMINANTS (OSHA)**

Hexone  
TWA 410 mg/m<sup>3</sup> 100 ml/m<sup>3</sup>

**ACGIH**

Methyl isobutyl ketone  
TWA 50 ml/m<sup>3</sup>  
STEL 75 ml/m<sup>3</sup>

**Personal protective equipment**

**Respiratory protection**

Use NIOSH-approved organic vapor respirator, air-supplied or self-contained breathing apparatus

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depending on exposure potential. Air-supplied or self-contained breathing apparatus must be used when airborne concentrations are ten times above applicable exposure limits.

**Hand protection**

Glove permeation data does not exist for this material. The following glove(s) should be used for splash protection only.

Appropriate Material                      nitrile

**Eye protection**

Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

**Skin protection**

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

**General protective and hygiene measures**

Avoid product contact with skin, eyes and clothing; Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

**9.) Physical and chemical properties**

**General information**

Form	liquid
Color	yellowish
Odor	amine-like

**Important health, safety and environmental information**

**Changes in physical state**

Type	Boiling point		
Value	>	212	° F
Pressure	1013	mbar	

**Flash point**

Value	43	° F
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**Vapor pressure**

Value	appr. 100	hPa
Reference temperature	70	° F

**Density**

Value	7.27	lbs/gallon
Reference temperature	68	° F

**Viscosity**

Type	Efflux time	
Value	13	sec
Method	DIN cup 4 mm	
Reference temperature	68	° F

**Solubility in water**

Remarks	insoluble
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**pH value**

Remarks	alkaline
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**10.) Stability and reactivity**

**Conditions to avoid**

Stable under recommended storage and handling conditions(See section 7).

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### Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

### Thermal decomposition

Remarks No decomposition if used as prescribed.

## 11.) Toxicological information

### Experience in practice

Exposure of vapour concentration in excess of the stated OEL's may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue muscular weakness, drowsiness and in extrem cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

### Other information

Product specific toxicological data are not known.

## 12.) Ecological information

### General information / ecology

Ecological data are not available.

Do not discharge product unmonitored into the environment.

## 13.) Disposal considerations

### Product

Dispose in accordance with federal, state and local regulations.

## 14.) Transport information

### US DOT

Class	3
Packaging group	II
Label	3, 8
UN/NA number	UN2924
Danger releasing substance	TOLUENE 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

### Marine transport IMDG

Class	3
Subsidiary-hazard	8
Packaging group	II
UN number	2924
Proper shipping name	Flammable liquid, corrosive, n.o.s.
Danger releasing substance	TOLUENE 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL
EmS	F-E,S-C
Label	3+8

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## Air transport ICAO/IATA

Class	3
Subsidiary-hazard	8
Packaging group	II
UN number	2924
Proper shipping name	Flammable liquid, corrosive, n.o.s.
Danger releasing substance	TOLUENE 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL
Label	3+8

## 15.) Regulatory information

### Regulations

#### US Federal Regulations

##### TSCA (Toxic Substances Control Act)

All of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements (exempt).

##### Clean Water Act (CWA):

Following ingredients are listed:

CAS-No. 108-88-3

##### Clean Air Act:

None of the ingredients is listed.

##### OSHA: Hazardous by definition of Hazard Communication Standard ( 29 CFR 1910.1200)

Following ingredients are Hazardous by definition of Hazard Communication Standard:

CAS-No. 90-72-2; 108-88-3; 108-10-1

##### SARA Section 302 (RQ):

None of the ingredients is listed.

##### SARA HAZARD CATEGORY (Section 311/312)

Fire, Health Hazards.

##### SARA Section 313 INFORMATION:

Following ingredients are listed:

CAS-No. 108-88-3; 108-10-1

##### HAPS (Hazardous Air Pollutants):

Following ingredients are listed:

CAS-No. 108-88-3 35.8%; 108-10-1 35.8%

### State Regulations

#### California Proposition 65.

WARNING: Following ingredients are known to cause cancer or reproductive toxicity:

CAS-No. 108-88-3

#### Pennsylvania HAZARDOUS SUBSTANCE LIST

Following ingredients are listed:

CAS-No. 108-88-3; 108-10-1

#### New Jersey Worker and Community Right to Know Act.

Following ingredients are listed:

CAS-No. 108-88-3; 108-10-1

### Other international listings

#### IARC

None of the ingredients is listed in group 1, 2A or 2B.

#### Volatile organic compounds (VOC)

pound/gallon 5.42

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## 16.) Other information

### HMIS Classification

Flammability :	1
Health	3
PPE	E
Reactivity	0

### NFPA Rating

Fire Hazard	1
Health	3
Reactivity	0

### Other information

Abbreviations:

ACGIH American Conference of Governmental Hygienics

CAS Chemical Abstracts Service

HAPS Hazardous Air Pollutants

HMIS Hazardous Material Identifikation System

IARC International Agency for Research on Cancer

IDLH Immediate Dangerous to Life and Health

LEL Lower Explosion Limit

NTP National Toxicology Program

OEL Occupational Exposure Limit

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

PPE Personal Protection Equipment

SARA Superfund Amendments and Reauthorization Act

STEL Short-Term Exposure Level (15 minutes)

TWA Time-Weighted Average (8 hours)

UEL Upper Explosion Limit

VOC Volatile Organic Compounds

WEEL Workplace Environmental Exposure Level

### Department issuing safety data sheet

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