

Trade name: ALEXSEAL-Protective Primer 161 P1610

Product no.: 1536098023000

Version: 1.0.1 / USA

Status: 4/14/2009

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

### Identification of the substance or preparation

Trade name

**ALEXSEAL-Protective Primer 161 P1610**

### Company/undertaking identification

#### Address

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

Telephone no. +1 314 783-2110

#### Emergency telephone

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

## 2.) Hazards identification

### Immediate hazards

#### General

WARNING

Flammable liquid and vapor.

Harmful if inhaled.

Causes eye irritation

May cause allergic skin reaction.

May be harmful if absorbed through skin or swallowed.

May cause respiratory tract irritation.

May cause skin irritation

Prolonged or repeated contact may dry skin and cause irritation

Suspect cancer hazard.

Contains material which may cause Cancer.

### Potential Health Effects

#### Eye

Causes eye irritation.

#### Skin

May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). May be harmful if absorbed through skin.

#### Inhalation

Harmful if inhaled. May cause respiratory tract irritation.

#### Ingestion

May be harmful if swallowed.

#### Cancer

Suspect cancer hazard (contains material which) may cause cancer.

## 3.) Composition / information on ingredients

### Hazardous ingredients

#### XYLENE

CAS no.

1330-20-7

Concentration

>

10

<

30

%-b.w.

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**ETHYLBENZENE**

CAS no. 100-41-4  
Concentration > 1 < 5 %-b.w.

**1-BUTANOL**

CAS no. 71-36-3  
Concentration > 1 < 5 %-b.w.

**REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN),  
EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700)**

CAS no. 25068-38-6  
Concentration > 10 < 30 %-b.w.

**N-BUTYL ACETATE**

CAS no. 123-86-4  
Concentration > 10 < 30 %-b.w.

**1-ethoxypropan-2-ol**

CAS no. 1569-02-4  
Concentration > 5 < 10 %-b.w.

**SILICIC ACID, CRYSTALLINE**

CAS no. 68855-54-9  
Concentration > 5 < 10 %-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.

**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**

When swallowed seek medical aid immediately and show the physician the packaging or the label of the packaging. Do not induce vomiting.

**5.) Firefighting measures**

**Suitable extinguishing media**

Alcohol resistant foam, CO2, 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.

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**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. Clean preferably with a detergent; avoid use of solvents.

**7.) Handling and storage**

**Handling**

**Advice on safe handling**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour 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. Take precautionary measures against electrostatic loading. Refer to protective measures listed in section 8. Comply with the health and safety at work laws.

**Advice on protection against fire and explosion**

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 in a cool, well-ventilated place.

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

**Exposure limit values**

**XYLENE**

CAS no. 1330-20-7  
EC no. 215-535-7

**ACGIH**

Xylene, isomers

TWA	100	ml/m <sup>3</sup>
STEL	150	ml/m <sup>3</sup>

**LIMITS FOR AIR CONTAMINANTS (OSHA)**

Xylenes (o-, m-, p-isomers)			
TWA	435	mg/m <sup>3</sup>	100 ml/m <sup>3</sup>

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## ETHYLBENZENE

CAS no. 100-41-4  
EC no. 202-849-4

### ACGIH

Ethyl benzene  
TWA 100 ml/m<sup>3</sup>  
STEL 125 ml/m<sup>3</sup>

### LIMITS FOR AIR CONTAMINANTS (OSHA)

Ethyl benzene  
TWA 435 mg/m<sup>3</sup> 100 ml/m<sup>3</sup>

## 1-BUTANOL

CAS no. 71-36-3  
EC no. 200-751-6

### ACGIH

n-Butanol  
TWA 20 ml/m<sup>3</sup>

### LIMITS FOR AIR CONTAMINANTS (OSHA)

n-Butyl alcohol  
TWA 300 mg/m<sup>3</sup> 100 ml/m<sup>3</sup>

## N-BUTYL ACETATE

CAS no. 123-86-4  
EC no. 204-658-1

### ACGIH

n-Butyl acetate  
TWA 150 ml/m<sup>3</sup>  
STEL 200 ml/m<sup>3</sup>

### LIMITS FOR AIR CONTAMINANTS (OSHA)

n-Butyl-acetate  
TWA 710 mg/m<sup>3</sup> 150 ml/m<sup>3</sup>

## Exposure controls

### Occupational exposure controls

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 (=Occupational ExposureLimit), suitable respiratory protection must be worn.

## Personal protective equipment

### Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Use NIOSH/MSHA approved dust respirator if concentration exceeds recommended exposure levels.

### 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

fire-resistant antistatic protective clothing

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**General protective and hygiene measures**

Remove soiled or soaked clothing immediately. Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation. Do not eat, drink or smoke during work time.

**9.) Physical and chemical properties**

**General information**

Form liquid  
Color according product name  
Odor characteristic

**Important health, safety and environmental information**

**Changes in physical state**

Type	Boiling point		
Value	appr.	248	° F
Pressure	1013	mbar	

**Flash point**

Value	appr.	75	° F
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**Ignition temperature**

Value	>	752	° F
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**Explosion limits**

Upper explosion limit	10	% vol
Lower explosion limit	1	% vol

**Vapor pressure**

Value	appr.	100	mbar
Reference temperature	122	° F	

**Density**

Value	appr.	12.35	lbs/gallon
Reference temperature	68	° F	

**Viscosity**

Type	Efflux time		
Value	>	150	sec
Method	DIN cup 4 mm		
Reference temperature	77	° F	

**Solubility in water**

Remarks insoluble

**10.) Stability and reactivity**

**Conditions to avoid**

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

**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.

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## 11.) Toxicological information

### Experience in practice

The product can cause skin and eye irritation.  
Has a degreasing effect on the skin.

## 12.) Ecological information

### Other adverse effects

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
UN/NA number	UN1263
Technical name	Paint

### Marine transport IMDG

Class	3
Packaging group	III
UN number	1263
Proper shipping name	Paint
EmS	F-E,S-E
Label	3
Remarks	Containers with a capacity <= 30 ltrs are not subjected to IMDG regulations, chapter 4.1, 5.2 and 6.1 (see IMDG-Code 2.3.2.5)

### Air transport ICAO/IATA

Class	3
Packaging group	III
UN number	1263
Proper shipping name	Paint
Label	3

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## 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. 123-86-4; 1330-20-7; 100-41-4

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

None of the ingredients is listed.

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

Acute health hazards, fire hazards

##### SARA Section 313

Following ingredients are listed:

CAS-No. 1330-20-7; 71-36-3; 100-41-4

##### HAPS (Hazardous Air Pollutants) according to Clean Air Act

Following ingredients are listed in Group 2B:

CAS-No. 100-41-4 1.8%

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

Following ingredients are Hazardous by definition of Hazard Communication Standard:

CAS-No. 25068-38-6; 123-86-4; 1330-20-7; 1569-02-4; 68855-54-9; 71-36-3; 100-41-4

### State Regulations

#### California Proposition 65.

Following ingredients are listed:

CAS-No. 100-41-4

#### Pennsylvania HAZARDOUS SUBSTANCE LIST

Following ingredients are listed:

CAS-No. 123-86-4; 1330-20-7; 68855-54-9; 71-36-3; 100-41-4

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

Following ingredients are listed:

CAS-No. 123-86-4; 1330-20-7; 71-36-3; 100-41-4

#### Volatile organic compounds (VOC)

pound/gallon 3.97

## 16.) Other information

### HMIS Classification

Health	1
Flammability :	3
Reactivity	0
PPE	G

### NFPA Rating

Health	1
Fire Hazard	3
Reactivity	0

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## 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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