

Trade name: ALEXSEAL-Protective Primer 101 P1095

Product no.: 1531098023000

Version: 2.0.1 / USA

Status: 3/15/2007

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

### Product details

Trade name

**ALEXSEAL-Protective Primer 101 P1095**

### 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

WARNING

Flammable liquid and vapor.

Causes eye irritation

May cause allergic skin reaction.

Harmful if inhaled.

May cause skin irritation

May cause respiratory tract irritation.

May be harmful if absorbed through skin or swallowed.

Prolonged or repeated contact may dry skin and cause irritation

### Potential Health Effects

#### Eye

Causes eye irritation.

#### Skin

May cause: skin irritation; Allergic skin reaction; May be absorbed through the skin in harmful amounts. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

#### Inhalation

May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma.

#### Ingestion

May cause vomiting. Substance may be harmful if swallowed.

#### Cancer

None of the components present in this material at concentrations equal or greater than 0.1% are listed by IARC(Group 1,2A or 2B), NTP, OSHA or ACGIH as a carcinogen.

## 3.) Composition / information on ingredients

### Hazardous ingredients

#### XYLENE

CAS no.	1330-20-7			
Concentration	> 1	<	5	%-b.w.

#### 1-BUTANOL

CAS no.	71-36-3			
Concentration	> 10	<	30	%-b.w.

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**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 > 5 < 10 %-b.w.

**HEPTAN-2-ONE**

CAS no. 110-43-0  
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.

## 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.

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## 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

### 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 (=Occupational Exposure Limit), suitable respiratory protection must be worn.

### 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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**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>

**HEPTAN-2-ONE**

CAS no. 110-43-0  
EC no. 203-767-1

**ACGIH**

Methyl n-amyl ketone  
TWA 50 ml/m<sup>3</sup>

**LIMITS FOR AIR CONTAMINANTS (OSHA)**

Methyl n-amyl ketone  
TWA 465 mg/m<sup>3</sup> 100 ml/m<sup>3</sup>

**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

**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

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## Important health, safety and environmental information

### Changes in physical state

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

### Flash point

Value	appr.	77	° F
Method	DIN 53213		

### Ignition temperature

Value	appr.	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.	11.68	lbs/gallon
Reference temperature	68	° F	

### Viscosity

Type	Efflux time		
Value	>	60	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.

## 11.) Toxicological information

### Experience in practice

When inhaled in larger quantities, the solvent vapours cause a narcotic effect.  
The product can cause skin and eye irritation.  
Repeated and prolonged skin contact may lead to defatting and irritation of the skin.  
Possibility of sensitization through skin contact.

## 12.) Ecological information

### General information / ecology

Ecological data are not available.  
Do not discharge product unmonitored into the environment.

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## 13.) Disposal considerations

### Product

Dispose in accordance with federal, state and local regulations.

## 14.) Transport information

### US DOT

Class	3
Packaging group	III
Label	FLAMMABLE LIQUID
UN/NA number	1263
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

## 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

##### Clean Air Act:

None of the ingredients is listed.

##### 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. 1330-20-7; 71-36-3

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

Following ingredients are listed:

CAS-No. 1330-20-7 1.94%

##### 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; 71-36-3; 123-86-4; 110-43-0; 1330-20-7

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## State Regulations

### California Proposition 65.

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

CAS-No. 100-41-4 0.01%

### Pennsylvania HAZARDOUS SUBSTANCE LIST

Following ingredients are listed:

CAS-No. 123-86-4; 1330-20-7; 71-36-3; 110-43-0

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

Following ingredients are listed:

CAS-No. 123-86-4; 1330-20-7; 71-36-3; 110-43-0

## US Federal Regulations

### Volatile organic compounds (VOC)

pound/gallon 3.69

## Other international listings

### IARC

Following ingredients are listed in Group 2B:

CAS-No. 100-41-4 0.01%

## 16.) Other information

### HMIS Classification

Flammability :	3
Health	1
PPE	G
Reactivity	0

### NFPA Rating

Fire Hazard	3
Health	1
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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# Material Safety Data Sheet



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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.