

Trade name: ALEXSEAL-Protective Primer 161 Converter C1617

Product no.: 1556000000000

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 Converter C1617**

### 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

Causes eye irritation

Flammable liquid and vapor.

Harmful if inhaled.

May be harmful if absorbed through skin or swallowed.

May cause respiratory tract irritation.

May cause skin irritation

### Potential Health Effects

#### Eye

Causes eye irritation.

#### Skin

May be harmful if absorbed through skin. May cause skin irritation.

#### Inhalation

Harmful if inhaled. May cause respiratory tract irritation. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma.

#### Ingestion

May be harmful if swallowed.

#### 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

### Hazardous ingredients

#### XYLENE

CAS no.	1330-20-7			
Concentration	> 30	<	50	%-b.w.

#### 1-BUTANOL

CAS no.	71-36-3			
Concentration	> 5	<	10	%-b.w.

Trade name: ALEXSEAL-Protective Primer 161 Converter C1617

Product no.: 1556000000000

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## Polyaminoamide

CAS no. 68410-23-1

Concentration > 50 < 70 %-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, 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. Clean preferably with a detergent; avoid use of solvents.

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Product no.: 1556000000000

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**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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**1-BUTANOL**

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

**ACGIH**

n-Butanol

TWA		20	ml/m <sup>3</sup>
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**LIMITS FOR AIR CONTAMINANTS (OSHA)**

n-Butyl alcohol

TWA	300	mg/m <sup>3</sup>	100	ml/m <sup>3</sup>
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**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.

Trade name: ALEXSEAL-Protective Primer 161 Converter C1617

Product no.: 1556000000000

Version: 1.0.1 / USA

Status: 4/14/2009

**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

**Important health, safety and environmental information**

**Changes in physical state**

Type	Boiling point		
Value		248	° F

**Flash point**

Value	appr.	81	° 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	100	hPa
Reference temperature	122	° F

**Density**

Value	7.93	lbs/gallon
Reference temperature	68	° F

**Viscosity**

Type	Efflux time		
Value		30	s
Method	DIN cup 4 mm		
Reference temperature	77	° F	

**Solubility in water**

Remarks                                      insoluble

Trade name: ALEXSEAL-Protective Primer 161 Converter C1617

Product no.: 1556000000000

Version: 1.0.1 / USA

Status: 4/14/2009

## 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

### Irritant/corrosive effects

#### Irritant effect on skin

Evaluation corrosive

#### Irritant effect on eyes

Evaluation corrosive

## 12.) Ecological information

### Other adverse effects

There are no data available on the preparation itself.

## 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	UN1263
Technical name	Paint related material

### Marine transport IMDG

Class	3
Packaging group	III
UN number	1263
Proper shipping name	Paint related material
EmS	F-E,S-E
MARPOL	-
Label	3

### Air transport ICAO/IATA

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

Trade name: ALEXSEAL-Protective Primer 161 Converter C1617  
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## 15.) Regulatory information

### Regulations

#### US Federal Regulations

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

Components of this product are not known to be on the TSCA inventory. The product is subject to the TSCA Research and Development Exemption according to 40 CFR Section 720.36. The product is to be used solely for research and development purposes under the direct supervision of technically qualified personnel. It cannot be distributed by itself or as part of another product in commerce.

##### Clean Water Act (CWA)

Following ingredients are listed:

CAS-No. 1330-20-7

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

Following ingredients are Hazardous by definition of Hazard Communication Standard:

CAS-No. 68410-23-1; 1330-20-7; 71-36-3

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

None of the ingredients is listed.

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

Fire, Health Hazards.

##### SARA Section 313

Following ingredients are listed:

CAS-No. 1330-20-7; 71-36-3

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

Following ingredients are listed:

CAS-No. 1330-20-7 32%

### State Regulations

#### California Proposition 65.

None of the ingredients is listed.

#### Pennsylvania HAZARDOUS SUBSTANCE LIST

Following ingredients are listed:

CAS-No. 1330-20-7; 71-36-3

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

Following ingredients are listed:

CAS-No. 1330-20-7; 71-36-3

### Other international listings

#### IARC

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

#### Volatile organic compounds (VOC)

pound/gallon 3.17

## 16.) Other information

### HMIS Classification

Health	1
Flammability :	2
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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