



Commercial Product Name: ALEXSEAL P1615-Protective Primer
161
Quality No.: 1536012653000

Revision Date 10/06/2011
Print Date 10/07/2011

Version 1

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : ALEXSEAL P1615-Protective Primer 161 1265 Yellow
Use of the Substance/Mixture : Industrial serial painting
Company : Mankiewicz Coatings L.L.C
415 Jessen Lane
Charleston, South Carolina 29492
USA
Telephone : +1 843 654-7755
Emergency telephone : CHEMTREC 800-424-9300 or 703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Warning

Form: liquid, Color: according product name, Odor: characteristic

OSHA Hazards : FLAMMABLE LIQUID
CARCINOGEN
TOXIC BY INHALATION.
HARMFUL BY INGESTION.
HARMFUL BY SKIN ABSORPTION.
SKIN SENSITIZER
MODERATE SKIN IRRITANT
SEVERE EYE IRRITANT
MODERATE RESPIRATORY IRRITANT

Potential Health Effects

Inhalation : Harmful if inhaled.
May cause respiratory tract irritation.
Causes headache, drowsiness or other effects to the central nervous system.
Skin : May cause allergic skin reaction.
May be harmful if absorbed through skin.
May cause skin irritation.
Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering.
Eyes : Causes eye irritation.
Ingestion : May be harmful if swallowed.

Carcinogenicity:

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IARC	Group 2B: Possibly carcinogenic to humans ethylbenzene 100-41-4
OSHA	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	Confirmed animal carcinogen with unknown relevance to humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure. ethylbenzene 100-41-4

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture of synthetic resins, organic solvents and pigments

Hazardous ingredients

Component	CAS-No.	Weight %
EPOXY RESIN (AVER. MW 700 - 1200)	25036-25-3	10.00 - 30.00
Butylacetate	123-86-4	10.00 - 30.00
xylene	1330-20-7	10.00 - 30.00
butan-1-ol	71-36-3	1.00 - 5.00
ethylbenzene	100-41-4	1.00 - 5.00
2-METHYLPROPAN-1-OL	78-83-1	1.00 - 5.00

SECTION 4. FIRST AID MEASURES

First aid procedures

- General advice : In all cases of doubt, or when sickness symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
- 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.
- Skin contact : Take off all contaminated clothing immediately.
Wash skin thoroughly with soap and water or use recognised skin cleanser.

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Do NOT use solvents or thinners !

- Eye contact : Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
- Ingestion : Do NOT induce vomiting.
If accidentally swallowed obtain immediate medical attention.
Never give anything by mouth to an unconscious person.
Keep at rest.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

- Flash point : 75 °F (24 °C)
Method: ISO 2719
- Ignition temperature : > 752 °F (> 400 °C)
- Lower explosion limit : 1 %(V)
- Upper explosion limit : 10 %(V)

Fire fighting

- Suitable extinguishing media : Alcohol resistant foam, CO2, powders, water spray
- Unsuitable extinguishing media : High volume water jet
- Further information : Cool endangered containers with water in case of fire.
DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES!!

Protective equipment and precautions for firefighters

- Specific hazards during fire fighting : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- Special protective equipment for fire-fighters : As in any fire, wear self-contained breathing apparatus pressure - demand, MSHA / NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Exclude sources of ignition and ventilate the area.
Do not inhale vapors.
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not let product enter drains.
If the product contaminates lakes, rivers or sewage, inform



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appropriate authorities in accordance with local regulations.

Methods for containment /
Methods for cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see chapter 13).
Clean preferably with a detergent; avoid use of solvents.

SECTION 7. HANDLING AND STORAGE

Handling

Handling : Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentrations higher than the occupational exposure limits.
Comply with the health and safety at work laws.
Smoking, eating and drinking should be prohibited in the application area.
Observe specific national regulations for handling and use of paints.

Advice on protection against fire and explosion : The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
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 areas and containers : 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.

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.

Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.

Storage temperature : 41 - 95 °F (5 - 35 °C)

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Ingredients with workplace control parameters

Ingredients Source	Value	Control parameters
Butylacetate CAS-No.123-86-4		
ACGIH	TWA	150 ppm
ACGIH	STEL	200 ppm
OSHA P1	TWA	150 ppm 710 mg/m3
OSHA P0	TWA	150 ppm 710 mg/m3
OSHA P0	STEL	200 ppm 950 mg/m3
xylene CAS-No.1330-20-7		
ACGIH	TWA	100 ppm
ACGIH	STEL	150 ppm
OSHA P1	TWA	100 ppm 435 mg/m3
OSHA P0	TWA	100 ppm 435 mg/m3
OSHA P0	STEL	150 ppm 655 mg/m3
butan-1-ol CAS-No.71-36-3		
ACGIH	TWA	20 ppm
OSHA P1	TWA	100 ppm 300 mg/m3
OSHA P0	C	50 ppm 150 mg/m3
ethylbenzene CAS-No.100-41-4		
ACGIH	TWA	100 ppm
ACGIH	STEL	125 ppm
OSHA P1	TWA	100 ppm 435 mg/m3
OSHA P0	TWA	100 ppm 435 mg/m3
OSHA P0	STEL	125 ppm 545 mg/m3
2-METHYLPROPAN-1-OL CAS-No.78-83-1		
ACGIH	TWA	50 ppm
OSHA P1	TWA	100 ppm 300 mg/m3
OSHA P0	TWA	50 ppm 150 mg/m3
FORMALDEHYDE CAS-No.50-00-0		
ACGIH	C	0.3 ppm
OSHA P1		
OSHA Z2		
OSHA P0		





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Engineering measures

Engineering measures : 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 aerosol- and solvent vapors concentration below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Protective measures : Do not eat or drink during work - no smoking.
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 vapor 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 vapor concentration has fallen below the exposure limits.

Eye protection : Use safety glasses or face shield (ANSI Z87.1 or approved equivalent).

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

Skin and body protection : Personal should wear protective clothing as necessary to prevent skin contact. All parts of the body should be washed after contact.

Respiratory protection : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.
Use MSHA/NIOSH approved respirator if concentration exceeds recommended exposure levels.
Dry grinding, torch cutting and/or welding however can produce hazardous dust and/or vapor.
If possible, machine employing a wet medium.
Where practicable, install exhaust hoods to improve capture of vapors and fumes and avoid exposition; otherwise wear respiratory protection equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid
Color : according product name

Mankiewicz Gebr. & Co. (GmbH & Co. KG)
Georg-Wilhelm-Straße 189
21107 Hamburg (Wilhelmsburg)
Tel.: +49 (0) 40 / 75 10 30
Fax: +49 (0) 40 / 75 10 33 75
www.mankiewicz.de

Bank Name	Ort	Kto.-Nr.	BLZ	BIC	IBAN
Deutsche Bank	Hamburg	600227300	200 700 00	DEUTDE33HAN	DE58 2007 0000 0600 2273 00
HypoVereinsbank	Hamburg	59273300	200 300 00	HYVEDE33HAN	DE34 2003 0000 0059 2733 00
Postbank	Hamburg	373205	200 100 20	PNKDEFF200	DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442
Bureau Veritas
Certification:
ISO 9001,
TS 16949,
EN 9100
Michael O. Grau



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Odor : characteristic

Safety data

Flash point : 75 °F (24 °C)
Method: ISO 2719

Ignition temperature : > 752 °F (> 400 °C)

Lower explosion limit : 1 %(V)

Upper explosion limit : 10 %(V)

Vapor pressure : ca. 100 hPa (75 mmHg)
at 122 °F (50 °C)

Density : ca. 12.35 lb/gal (1.48 g/cm³)
at 68 °F (20 °C)

Water solubility : Note: insoluble

Flow time : > 150 s
4 mm
Method: DIN 53211

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Stable under recommended storage and handling conditions (See section 7).

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

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

SECTION 11. TOXICOLOGICAL INFORMATION

Further information : Exposure of vapor 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.

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

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : There are no data available on the preparation itself.
The product should not be allowed to enter drains or water courses.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT

UN number : 1263
Description of the goods : PAINT
Class : 3
Packing group : III
Labels : 3

IATA

UN number : 1263
Description of the goods : PAINT
Class : 3
Packing group : III
Labels : 3
Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355
Packing instruction (passenger aircraft) : Y344

IMDG

UN number : 1263
Description of the goods : PAINT
Class : 3
Packing group : III
Labels : 3
EmS Number 1 : F-E
EmS Number 2 : S-E

Marine pollutant : no

Other information : If transported within the user's premises: To be transported always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of

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conduct in case of incident or spillage.

Receptacles with less than 30 litres capacity, are not subject to the regulations of IMDG chapters 4.1, 5.2 and 6.1 (see IMDG 2.3.2.5)

SECTION 15. REGULATORY INFORMATION

- OSHA Hazards** : Flammable Liquid, Carcinogen, Toxic by inhalation., Harmful by ingestion., Harmful by skin absorption., Skin sensitizer, Moderate skin irritant, Severe eye irritant, Moderate respiratory irritant
- TSCA Status** : y (positive listing)
All of the components of this product are either listed in the TSCA inventory or are not subject to the notification requirements(exempt).
- SARA 311/312 Hazards** : Fire Hazard
Acute Health Hazard
Chronic Health Hazard
- Clean Air Act Ozone-Depletion Potential** : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

- SARA 302 Reportable Quantity** :
- SARA 313 Ingredients** :

FORMALDEHYDE 50-00-0	lbs	
Xylene	1330-20-7	
ethylbenzene	100-41-4	
butan-1-ol	71-36-3	
- US CAA HAP** : The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

xylene	1330-20-7	10.0906 %
ethylbenzene	100-41-4	1.7602 %
FORMALDEHYDE	50-00-0	0.025 %
- CAA112(r)** : This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
- CAA111** : The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

xylene	1330-20-7	10.0906 %
ethylbenzene	100-41-4	1.7602 %
FORMALDEHYDE	50-00-0	0.025 %

US State Regulations

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Massachusetts Right To Know Ingredients : Xylene 1330-20-7
ethylbenzene 100-41-4
butan-1-ol 71-36-3
FORMALDEHYDE 50-00-0
butyl acetate 123-86-4
2-METHYLPROPAN-1-OL 78-83-1

Pennsylvania Right To Know Ingredients : Xylene 1330-20-7
ethylbenzene 100-41-4
butan-1-ol 71-36-3
FORMALDEHYDE 50-00-0
butyl acetate 123-86-4
2-METHYLPROPAN-1-OL 78-83-1
KIESELGUHR, SODA ASH FLUX-CALCINED 68855-54-9

New Jersey Right To Know Ingredients : Xylene 1330-20-7
ethylbenzene 100-41-4
butan-1-ol 71-36-3
butyl acetate 123-86-4
2-METHYLPROPAN-1-OL 78-83-1

California Prop. 65 Ingredients : WARNING! This product contains a chemical known in the State of California to cause cancer.
ethylbenzene 100-41-4
FORMALDEHYDE 50-00-0

US Federal Regulations

Volatile organic compounds (VOC) content : VOC content excluding water: 3.97 lb/gal (0.48 g/cm³)

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health Hazard: 3
Flammability: 3

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Bank Name	Ort	Kto.-Nr.	BLZ	BIC	IBAN
Deutsche Bank	Hamburg	600227300	200 700 00	DEUTDE33HAN	DE58 2007 0000 0600 2273 00
HypoVereinsbank	Hamburg	59273300	200 300 00	HYVEDE33HAN	DE34 2003 0000 0059 2733 00
Postbank	Hamburg	373205	200 100 20	PBNKDE33HAN	DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442
Bureau Veritas
Certification:
ISO 9001,
TS 16949,
EN 9100
Michael O. Grau



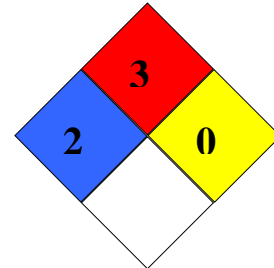
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Physical hazards: 0

NFPA Classification : Health Hazard: 2
Fire Hazard: 3
Reactivity Hazard: 0



Department issuing safety data sheet

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