

Commercial Product Name: ALEXSEAL-Cor Spec Primer 135 Conv.
Quality No.: 1558000000000

Revision Date 02/05/2010
Print Date 02/05/2010

Version 1

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : ALEXSEAL-Cor Spec Primer 135 Conv. farblos / transparent

Use of the Substance/Mixture : Industrial serial painting

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

Telephone : +1 314 783-2110
Emergency telephone : CHEMTREC 800-424-9300 or 703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Warning

Form: liquid, Colour: according product name, Odour: characteristic

OSHA Hazards : FLAMMABLE LIQUID
TOXIC BY INHALATION.
HARMFUL BY INGESTION.
HARMFUL BY SKIN ABSORPTION.
SKIN SENSITISER
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 : May cause eye irritation.

Ingestion : May be harmful if swallowed.

Carcinogenicity:

IARC No component of this product present at levels greater than or

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OSHA	equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component 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 component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Hardener based on polyamine / amino adduct

Hazardous components

Component	CAS-No.	Weight percent
xylene	1330-20-7	60.00 - 100.00
butan-1-ol	71-36-3	10.00 - 30.00
N-(3-(trimethoxysilyl)propyl)ethyle nediamine	1760-24-3	10.00 - 30.00
reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <= 700)	25068-38-6	5.00 - 10.00

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. 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.



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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 : 77 °F (25 °C)
Method: ISO 2719

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

Lower explosion limit : 1.0 %(V)

Upper explosion limit : 10.0 %(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 : Appropriate breathing apparatus may be required.

SECTION 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 let product enter drains.
If the product contaminates lakes, rivers or sewage, inform 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.

Additional advice :

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SECTION 7. HANDLING AND STORAGE

Handling

Handling : Avoid contact with the skin and the eyes.
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour 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.

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.
Vapours are heavier than air and may spread along floors.
Vapours 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 oxidising agents and strongly acid or alkaline materials.

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Components Source	Value	Control parameters
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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

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 vapours 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.

Eye protection : Wear safety goggles to protect against solvent splashes.

Hand protection : Adhere to the professional organisation rule "Use of protective gloves". Appropriate chemicals resistant glove tested in compliance with EN 374.
Recommendation for protection against components generally found in the products:

For short-term contact (i.e. splash protection):

Appropriate material:

nitrile rubber, Neoprene

Material thickness: > 0,4 mm

Breakthrough time: > 480 min

Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Preventive



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hand protection (skin protection cream) recommended. Wash immediately contaminated skin. Design operations thus to avoid permanent use of protective gloves.

- Skin and body 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.
- Respiratory protection : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Use half-mask model with cartridge or air-fed

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : liquid
Colour : according product name
Odour : characteristic

Safety data

- Flash point : 77 °F (25 °C)
Method: ISO 2719
- Ignition temperature : > 752 °F (> 400 °C)
- Lower explosion limit : 1 %(V)
- Upper explosion limit : 10.0 %(V)
- Boiling point/boiling range : ca. 248 °F (120 °C)
- Vapour pressure : ca. 100 hPa (75 mmHg)
at 122 °F (50 °C)
- Density : ca.8 lb/gal (1 g/cm3)
at 68 °F (20 °C)
- Water solubility : Note: insoluble
- Flow time : 59 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



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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 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. Corrosive effect of product in contact with skin, eyes and mucous membranes. Risk of serious damage to eyes.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : There are no data available on the preparation itself.

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 RELATED MATERIAL
Class : 3
Packing group : III
Labels : 3

IATA
UN-Number : 1263
Description of the goods : PAINT RELATED MATERIAL
Class : 3
Packing group : III
Labels : 3
Packing instruction (cargo) : 310



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aircraft)
Packing instruction : 309
(passenger aircraft)
Packing instruction : Y309
(passenger aircraft)

IMDG

UN-Number : 1263
Description of the goods : PAINT RELATED MATERIAL
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 conduct in case of incident or spillage.

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Flammable liquid, Toxic by inhalation., Harmful by ingestion., Harmful by skin absorption., Skin sensitiser, Moderate skin irritant, Severe eye irritant, Moderate respiratory irritant

TSCA Status : y (positive listing)
On TSCA Inventory

SARA 311/312 Hazards : Fire Hazard
Acute 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 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components : Xylene 1330-20-7
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 60 %

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).



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CAA111 The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489):

xylene	1330-20-7	60 %
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US State Regulations

Massachusetts Right To Know Components : Xylene 1330-20-7

butan-1-ol 71-36-3

Pennsylvania Right To Know Components : Xylene 1330-20-7

butan-1-ol 71-36-3

New Jersey Right To Know Components : Xylene 1330-20-7

butan-1-ol 71-36-3

California Prop. 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

US Federal Regulations

Volatile organic compounds (VOC) content : VOC content excluding water:
7 lb/gal (0.82 g/cm3)

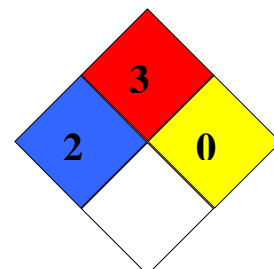
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 3
Flammability: 3
Physical hazards: 0

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



Department issuing safety data sheet

UMCO Umwelt Consult GmbH





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Telefon: +49 (0)40 / 41 92 13 00 Fax: +49 (0)40 / 41 92 13 57 e-mail: umco@umco.de

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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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	PBNKDE33HAN	DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442
Persönlich haftende Gesellschafterin:
Grau Gebr. Beteiligungs-GmbH
Sitz/Registriergericht Hamburg: HRB 17189
Geschäftsführender Gesellschafter:
Michael O. Grau

Bureau Veritas
Certification:
ISO 9001,
TS 16949,
EN 9100

