

Product Name: ALEXSEAL XXXXX-Fast Spot Converter  
Product No.: 4554100000000

Revision Date 11/28/2014  
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**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name : ALEXSEAL XXXXX-Fast Spot Converter  
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) 6547755  
Emergency Telephone : CHEMTREC +1 (800) 4249300 or +1 (703) 5273887

**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**Warning**  
Form: liquid, Color: according product name, Odor: characteristic  
OSHA Hazards : FLAMMABLE LIQUID  
SKIN SENSITIZER  
MODERATE SKIN IRRITANT  
MODERATE EYE IRRITANT  
MODERATE RESPIRATORY IRRITANT

**Potential Health Effects**

Inhalation : May cause respiratory tract irritation.  
Skin : May cause allergic skin reaction.  
May cause skin irritation.  
Eyes : May cause eye irritation.  
Ingestion : May cause vomiting.  
Symptoms of Overexposure : No information available.

**Carcinogenicity:**

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
**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

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**ACGIH** by NTP.  
No ingredient 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 polyisocyanates

**Hazardous ingredients**

Component	CAS-No.	Weight %
4-chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	30.00 - 60.00
methyl acetate	79-20-9	10.00 - 30.00
aliphatic polyisocyanate	28182-81-2	10.00 - 30.00
n-butyl acetate	123-86-4	5.00 - 10.00
polyisocyanate, based on HDI/TDI	26426-91-5	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.  
If accidentally swallowed obtain immediate medical attention.  
Never give anything by mouth to an unconscious person.  
Keep at rest.



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**Notes to physician**

Symptoms : No information available.  
Treatment : No information available.

**SECTION 5. FIRE-FIGHTING MEASURES**

**Flammable properties**

Flash point : 9 °F (-13 °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 : 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 appropriate authorities in accordance with local regulations.  
Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations.



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- 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 : Immediately clean contaminated areas with following substances:
 

Water	45 Vol.%
Ethanol or Isopropyl Alcohol	50 Vol.%
Ammonia solution (density=0,88)	5 Vol.%

  
 Alternative applicable to that (not flammable):
 

Sodium Carbonate	5 Vol.%
Water	95 Vol.%

**SECTION 7. HANDLING AND STORAGE**

**Handling**

- Handling : Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used !  
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.

- 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

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direct sunlight.  
Keep container dry in a cool, well-ventilated place.  
Precautions should be taken to minimise exposure to atmospheric humidity or water: CO<sub>2</sub> will be formed which in closed containers can result in pressurisation. **DO NOT KEEP THE CONTAINERS SEALED !!**

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

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

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

**Ingredients with workplace control parameters**

Ingredients Source	Value	Control parameters
<b>methyl acetate CAS-No.79-20-9</b>		
ACGIH	TWA	200 ppm
ACGIH	STEL	250 ppm
OSHA P1	TWA	200 ppm 610 mg/m <sup>3</sup>
OSHA P0	TWA	200 ppm 610 mg/m <sup>3</sup>
OSHA P0	STEL	250 ppm 760 mg/m <sup>3</sup>
<b>n-butyl acetate CAS-No.123-86-4</b>		
ACGIH	TWA	150 ppm
ACGIH	STEL	200 ppm
NIOSH REL	ST	200 ppm 950 mg/m <sup>3</sup>
NIOSH REL	TWA	150 ppm 710 mg/m <sup>3</sup>
OSHA P1	TWA	150 ppm 710 mg/m <sup>3</sup>
OSHA P0	TWA	150 ppm 710 mg/m <sup>3</sup>
OSHA P0	STEL	200 ppm 950 mg/m <sup>3</sup>
<b>toluene-2,4-di-isocyanate CAS-No.584-84-9</b>		
ACGIH	TWA	0.005 ppm
ACGIH	STEL	0.02 ppm
OSHA P1	C	0.02 ppm 0.14 mg/m <sup>3</sup>
OSHA P0	TWA	0.005 ppm 0.04 mg/m <sup>3</sup>
OSHA P0	STEL	0.02 ppm 0.15 mg/m <sup>3</sup>



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**Immediately Dangerous to Life or Health Concentrations (IDLH)**

Substance name	CAS-No.	Control parameters	Update
methyl acetate	79-20-9	Immediately Dangerous to Life or Health Concentration Value 3100 parts per million	1995-03-01
n-butyl acetate	123-86-4	Immediately Dangerous to Life or Health Concentration Value 1700 parts per million	1995-03-01

**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 concentrations of particulates and below the OEL (= Occupational Exposure Limit), suitable respiratory protection must be worn.

**Personal protective equipment**

Protective measures : Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.  
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 : 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 : By spraying: air-fed respirator(MHSA/NIOSH approved)  
  
By other operations than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask(it should be MHSA/NIOSH approved).



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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form : liquid  
Color : according product name  
Odor : characteristic

**Safety data**

Flash point : 9 °F (-13 °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)  
Vapor pressure : ca. 100 hPa (75 mmHg)  
at 122 °F (50 °C)  
Density : ca.9.51 lb/gal (1.14 g/cm3)  
at 68 °F (20 °C)  
Water solubility : Note: insoluble  
Flow time : 24 s  
4 mm  
Method: DIN 53211  
: 18 s  
6 mm  
Method: ISO 2431

**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.  
The product reacts slowly with water resulting in evolution of carbon dioxide. In closed containers, pressure build up could result distortion blowing and in extreme cases bursting of the container.  
Hazardous decomposition products : Note: In a fire, hazardous decomposition products, such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen,

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hydrogen cyanide, monomers of isocyanates, amines and alcohols may be produced.

Hazardous reactions : No dangerous reaction known under conditions of normal use. There are no data available on the preparation itself.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute inhalation toxicity : Component: 4-chloro-alpha,alpha,alpha-trifluorotoluene (CAS-No.: 98-56-6)  
Remarks: Lung irritation

Eye irritation : Component: methyl acetate (CAS-No.: 79-20-9)  
rabbit  
Result: Irritating to eyes.

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. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the isocyanate components and considering toxicological data on similar preparations: This preparation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability.

**SECTION 12. ECOLOGICAL INFORMATION**

Biodegradability : Remarks:  
There are no data available on the preparation itself.

Bioaccumulation : Remarks:  
There are no data available on the preparation itself.

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

**Component:**  
methyl acetate 79-20-9 Toxicity to fish:



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LC50  
species: Danio rerio (zebra fish)  
Dose: 250 - 350 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates.:

EC50  
species: Daphnia magna (Water flea)  
Dose: 1,026 mg/l  
Exposure time: 24 h

Toxicity to algae:

EC50  
species: Pseudokirchneriella subcapitata (green algae)  
Dose: > 120 mg/l  
Exposure time: 72 h

**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 : II  
Labels : 3  
Environmentally hazardous : no

**IATA**

UN number : 1263  
Description of the goods : PAINT RELATED MATERIAL  
Class : 3  
Packing group : II  
Labels : 3  
Packing instruction (cargo aircraft) : 364  
Packing instruction (passenger aircraft) : 353  
Packing instruction (LQ) : Y341  
Environmentally hazardous : no

**IMDG**

UN number : 1263  
Description of the goods : PAINT RELATED MATERIAL  
Class : 3

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Packing group : II
Labels : 3
EmS Number 1 : F-E
EmS Number 2 : S-E

Marine pollutant : no
Environmentally hazardous : 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, Skin sensitizer, Moderate skin irritant, Moderate eye irritant, Moderate respiratory irritant

TSCA Status : y (positive listing)
All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

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).

Clean Water Act
The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:
n-butyl acetate 123-86-4

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:
n-butyl acetate 123-86-4

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

SARA 302 Reportable Quantity : The following components are subject to reporting levels established by SARA Title III, Section 302:

toluene-2,4-di-isocyanate 584-84-9 lbs

US CAA HAP The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

hexamethylene diisocyanate 822-06-0 0.1236 %
METHANOL 67-56-1 0.0675 %
toluene-2,4-di-isocyanate 584-84-9 0.0184 %



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**CAA112(r)** The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

toluene-2,4-di-isocyanate	584-84-9	0.0184 %
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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):

n-butyl acetate	123-86-4	8.755 %
METHANOL	67-56-1	0.0675 %
toluene-2,4-di-isocyanate	584-84-9	0.0184 %

**US State Regulations**

**Massachusetts Right To Know Ingredients** :

methyl acetate	79-20-9
butyl acetate	123-86-4
toluene-2,4-di-isocyanate	584-84-9

**Pennsylvania Right To Know Ingredients** :

methyl acetate	79-20-9
butyl acetate	123-86-4
METHANOL	67-56-1
toluene-2,4-di-isocyanate	584-84-9

**New Jersey Right To Know Ingredients** :

methyl acetate	79-20-9
butyl acetate	123-86-4

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

**US Federal Regulations**

Volatile organic compounds (VOC) content : VOC content excluding water: 0.84 lb/gal (0.10 g/cm3)

**SECTION 16. OTHER INFORMATION**

**Further information**

**HMIS Classification** : Flammability: 3

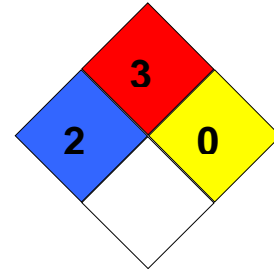


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**NFPA Classification** : Health Hazard: 2  
Fire Hazard: 3  
Reactivity Hazard: 0



## Department issuing safety data sheet

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