

Commercial Product Name: ALEXSEAL T0125-Premium Topcoat  
501  
Product no.: 4501000019000

Revision Date 04/04/2012  
Print Date 04/10/2012

Version 1

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : ALEXSEAL T0125-Premium Topcoat 501 0001 Clear Gloss  
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 : COMBUSTIBLE LIQUID  
CARCINOGEN  
TOXIC BY INHALATION.

**Potential Health Effects**

Inhalation : Harmful if inhaled.  
Skin : No information regarding skin irritation.  
Eyes : No information regarding eye irritation.  
Ingestion : May cause vomiting.  
Chronic Exposure : Suspect cancer hazard - contains material which may cause cancer.  
Symptoms of Overexposure : No information available.

**Carcinogenicity:**

**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.

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**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 %
2-methoxy-1-methylethyl acetate	108-65-6	30.00 - 60.00
5-methylhexan-2-one	110-12-3	5.00 - 10.00
ethylbenzene	100-41-4	0.10 - 1.00

**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.

**Notes to physician**

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

**SECTION 5. FIRE-FIGHTING MEASURES**

**Flammable properties**

Flash point : 115.7 °F (46.5 °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 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.



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**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)

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

**Exposure Guidelines**

**Ingredients with workplace control parameters**

Ingredients Source	Value	Control parameters
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<b>2-methoxy-1-methylethyl acetate CAS-No.108-65-6</b>		
US WEEL	TWA	50 ppm
<b>5-methylhexan-2-one CAS-No.110-12-3</b>		
ACGIH	TWA	50 ppm
OSHA P1	TWA	100 ppm 475 mg/m3
OSHA P0	TWA	50 ppm 240 mg/m3
<b>ethylbenzene CAS-No.100-41-4</b>		
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

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

Substance name	CAS-No.	Control parameters	Update
ethylbenzene	100-41-4	Immediately Dangerous to Life or Health Concentration Value 800 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 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).



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- 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  
**Odor** : characteristic

### Safety data

- Flash point** : 115.7 °F (46.5 °C)  
Method: ISO 2719
- Ignition temperature** : > 752 °F (> 400 °C)
- Lower explosion limit** : 1 %(V)
- Upper explosion limit** : 10 %(V)
- Boiling point/boiling range** : ca. 248 °F (120 °C)
- Vapor pressure** : ca. 100 hPa (75 mmHg)  
at 122 °F (50 °C)
- Density** : 10.0 lb/gal (1.2 g/cm<sup>3</sup>)  
at 68 °F (20 °C)
- Water solubility** : Note: insoluble
- Flow time** : > 90 s

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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.
- 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: 5-methylhexan-2-one (CAS-No.: 110-12-3)  
LC50 rat  
Exposure time: 6 h  
Dose: 4 ppm
- 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.

**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.



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**Component:**

5-methylhexan-2-one 110-12-3

Toxicity to fish:

LC50  
Species: Pimephales promelas (fathead minnow)  
Dose: 81.4 mg/l  
Exposure time: 96 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  
Class : 3  
Packing group : III  
Labels : 3  
Environmentally hazardous : no

**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 (LQ) : Y344  
Environmentally hazardous : no

**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  
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





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persons handling these containers are aware of the rules of 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** : Combustible Liquid, Carcinogen, Toxic by inhalation.
- 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  
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).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

**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 Ingredients US CAA HAP** : ethylbenzene 100-41-4  
The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):  
xylene 1330-20-7 0.7106 %  
ethylbenzene 100-41-4 0.1913 %
- 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 0.7106 %  
ethylbenzene 100-41-4 0.1913 %  
2-(2-ethoxyethoxy)ethanol 111-90-0 0.0027 %

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**US State Regulations**

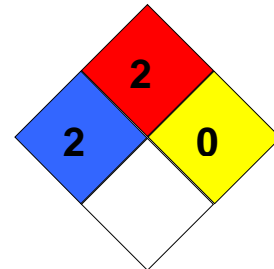
<b>Massachusetts Right To Know Ingredients</b>	: 5-methylhexan-2-one	110-12-3
<b>Pennsylvania Right To Know Ingredients</b>	: 5-methylhexan-2-one	110-12-3
	Xylene	1330-20-7
	butyl acetate	123-86-4
	ethylbenzene	100-41-4
<b>New Jersey Right To Know Ingredients</b>	: 5-methylhexan-2-one	110-12-3
	ethylbenzene	100-41-4
<b>California Prop. 65 Ingredients</b>	: WARNING! This product contains a chemical known in the State of California to cause cancer.	
	ethylbenzene	100-41-4

**SECTION 16. OTHER INFORMATION**

**Further information**

**HMIS Classification** : Health Hazard: 2  
Flammability: 2  
Physical hazards: 0

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



**Department issuing safety data sheet**

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