

**Section 1 -- PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NUMBER

9273-21SC-QT, 9273-21SC-PT

HMIS CODES

Health 2  
 Flammability 2  
 Reactivity 0  
 PPE G

PRODUCT NAME

Zo-Urethane 2.1 Slow Catalyst

MANUFACTURER'S NAME

Zolatone Automotive, Industrial & Marine  
 3411 East 15th. Street  
 Los Angeles, Ca 90023  
 www.zolatoneaim.com

EMERGENCY TELEPHONE NO.

(800) 424-9300 (Chemtrec)

INFORMATION TELEPHONE NO.

(800) 360-7744

**Section 2 -- COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS**

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
1 - 5%	111-76-2	Glycol Ether EB Acetate		.29
		ACGIH TLV	N/E	
		ACGIH TLV	N/E	
		OSHA PEL	N/E	
		OSHA PEL	N/E	
5 - 20%	67-64-1	Acetone		247
		ACGIH TLV	TWA: 500 ppm	
		ACGIH TLV	750 ppm	
		OSHA PEL	TWA: 1000 ppm	
		OSHA PEL	1000 ppm	
< 1%	1330-20-7-0	Xylene, Mixed Isomers		9.5
		ACGIH TLV	150 ppm	
		ACGIH TLV	150 ppm	
		OSHA PEL	100 ppm	
		OSHA PEL	150 ppm	
20 - 50%	98-56-6	Benzene,1-chloro-4-trifloromet		5.3
		ACGIH TLV	N/E	
		ACGIH TLV	N/E	
		OSHA PEL	N/E	
		OSHA PEL	N/E	
< 1%	100-41-4	Ethylbenzene		1.333
		ACGIH TLV	100 ppm	
		ACGIH TLV	125 ppm	
		OSHA PEL	100 ppm	
		OSHA PEL	125 ppm	
1 - 5%	123-86-4	n-butyl Acetate		11.5
		ACGIH TLV	150 ppm	
		ACGIH TLV	200 ppm	
		OSHA PEL	150 ppm	
		OSHA PEL	200 ppm	
< 1%	822-06-0	1,6-Hexamethylene Diisocyanate		< .01
		ACGIH TLV	TWA: 0.005 ppm; 0.034mg/m3	
		ACGIH TLV	N/E	
		OSHA PEL	TWA: 0.02 ppm; 0.14 mg/m3	
20 - 50%	28182-81-2	Hexane, 1,6-Diisocyanato-Homo		N/A
		ACGIH TLV	N/E	
		ACGIH TLV	N/E	
		OSHA PEL	N/E	
		OSHA PEL	N/E	
1 - 5%	95-63-6-0	1,2,4-Trimethylbenzene		7.0

Section 2 -- COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS				
% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
			ACGIH TLV	N/E
			ACGIH TLV	N/E
			OSHA PEL	TWA: 25 ppm
			OSHA PEL	25 ppm
1 - 5%	53880-05-0	Isophorone Diisocyanate Homopo		< .01
			ACGIH TLV	N/E
			ACGIH TLV	N/E
			OSHA PEL	N/E
			OSHA PEL	N/E
< 1%	4098-71-9	Isophorone Diisocyanate		< .01
			ACGIH TLV	TWA: 0.005 ppm; 0.045 mg/m
			ACGIH TLV	TWA: 0.02 pm, 0.18 mg/m
			OSHA PEL	N/E
			OSHA PEL	TWA: 0.005 ppm/ 0.045 mg/m

### Section 3 -- HAZARDS IDENTIFICATION

#### ROUTES OF EXPOSURE:

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

#### EFFECTS OF OVEREXPOSURE:

Irritation of eyes, skin and upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE:

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None generally recognized.

#### CANCER INFORMATION:

FOR COMPLETE DISCUSSION OF TOXICOLOGY DATA REFER TO SECTION 11.

### Section 4 -- FIRST AID MEASURES

#### If INHALED:

If affected, remove from exposure. Restore breathing. Keep warm and quite.

#### If on SKIN:

Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

#### If in EYES:

Flush eyes with large amounts of water for 15 minutes. Get medical attention.

#### If SWALLOWED:

Do not induce vomiting. Get medical attention immediately.

### Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL
-20 - 284 F	0.9	12.8

#### EXTINGUISHING MEDIA:

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**Section 5 -- FIRE FIGHTING MEASURES**

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Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical, or universal aqueous film forming foam) designed to extinguish NFPA Class IB flammable liquid fires. Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzels are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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**Section 6 -- ACCIDENTAL RELEASE MEASURES**

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty containers for disposal. Only the spilled material and the absorbant should be placed in this container.

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**Section 7 -- HANDLING RELEASE MEASURES**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and other sources of ignition. Consult NFPA Code. Use approved bonding and grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

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**Section 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**PRECAUTIONS TO BE TAKEN IN USE:**

Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using. This coating may contain materials classified as nuisance particulates (listed "as Dust" in section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in section 2, the applicable limits for nuisance dust are ACGIII TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction). Removal of old paint by sanding, scraping, or other means may generate dust or fumes that contain lead.

**VENTILATION:**

Local exhaust preferable. General exhaust acceptable if the exposure to materials in section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

**RESPIRATORY PROTECTION:**

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

**PROTECTIVE GLOVES:**

None required for normal application of aerosol products where minimal skin contact is expected. For long repeated contact, wear chemical resistant gloves.

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**Section 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**


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**EYE PROTECTION:**

Wear safety spectacles with unperforated sideshields.

**OTHER PRECAUTIONS:**

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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**Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES**


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PRODUCT WEIGHT	9.196 lb/gal	1102 g/l
SPECIFIC GRAVITY	1.100	
BOILING POINT	0 - 340 F	-17 - 171 C
VOLATILES	58.3 % by wt	59.2 % by vol
EVAPORATION RATE	Same as ether	
VAPOR DENSITY	Heavier than air	
VOLATILE ORGANIC COMPOUNDS	0.56 lb/gal	68 g/l
VOLATILE ORGANIC COMPOUNDS	Volatile Weight 6.19 % Less Federally Exempt Solvents	

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**Section 10 -- STABILITY AND REACTIVITY**


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**STABILITY:**

This product is normally stable and will not undergo hazardous reactions.

**CONDITIONS TO AVOID:**

None Known.

**INCOMPATIBILITY:**

Avoid contact with strong alkalies, strong mineral acids, or strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon monoxide, carbon dioxide, oxides of sulfur, oxides of barium, lower molecular weight polymer fractions.

**HAZARDOUS POLYMERIZATION:**

None Known.

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**Section 11 -- TOXICOLOGICAL INFORMATION**


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CAS No.	Ingredient Name				
111-76-2	Glycol Ether EB Acetate	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
67-64-1	Acetone	LC50	RAT	4HR	N/E
		LD50	RAT		5800 mg/kg
1330-20-7-0	Xylene, Mixed Isomers	LC50	RAT	4HR	5000 ppm
		LD50	RAT		4300 mg/kg
98-56-6	Benzene, 1-chloro-4-trifluoromet	LC50	RAT	4HR	22000 mg/l
		LD50	RAT		13000 mg/kg
100-41-4	Ethylbenzene	LC50	RAT	4HR	N/E
		LD50	RAT		3500 mg/kg
123-86-4	n-butyl Acetate	LC50	RAT	4HR	>13.2 m/l

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**Section 11 -- TOXICOLOGICAL INFORMATION**


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822-06-0	1,6-Hexamethylene Diisocyanate	LD50	RAT		13400 mg/kg
		LC50	RAT	4HR	N/E
		LD50	RAT		738 mg/kg
28182-81-2	Hexane, 1,6-Diisocyanato-Homo	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
95-63-6-0	1,2,4-Trimethylbenzene	LC50	RAT	4HR	18000 mg/m3
		LD50	RAT		Nil Reported
53880-05-0	Isophorone Diisocyanate Homopo	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
4098-71-9	Isophorone Diisocyanate	LC50	RAT	4HR	N/E
		LD50	RAT		5490 mg/kg

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**Section 12 -- ECOLOGICAL INFORMATION**


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## ECOTOXICOLOGICAL INFORMATION:

ECOTOXICITY: No Information Available

## ENVIRONMENTAL FATE:

MOBILITY: No Information Available

BIODEGRADATION: No Information Available

BIOACCUMULATION: No Information Available

## PHYSICAL/CHEMICAL:

HYDROLYSIS: No Information Available

PHOTOLYSIS: No Information Available

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**Section 13 -- DISPOSAL CONSIDERATIONS**


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## WASTE DISPOSAL METHOD:

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

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**Section 14 -- TRANSPORT INFORMATION**


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Proper Shipping Name: Consumer Commodity  
 NOS Technical Name: ORM-D  
 Hazard Class: N/A  
 UN Number: N/A  
 Packing Group: N/A

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**Section 15 -- REGULATORY INFORMATION**


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## SARA 313:

CAS No.	CHEMICAL/COMPOUND	% by WT
111-76-2	Glycol Ether EB Acetate	1.9
1330-20-7-0	Xylene, Mixed Isomers	0.0
100-41-4	Ethylbenzene	0.0
822-06-0	1,6-Hexamethylene Diisocyanate	0.0

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**Section 15 -- REGULATORY INFORMATION**

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95-63-6-0	1,2,4-Trimethylbenzene	1.4
4098-71-9	Isophorone Diisocyanate	0.0

**CALIFORNIA PROPOSITION 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**TSCA CERTIFICATION:**

U.S. TSCA: This product and/or all of its components are listed on the U.S. TSCA Inventory or is otherwise exempt from TSCA Inventory reporting requirements.

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**Section 16 -- OTHER INFORMATION**

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**DISCLAIMER:**

Do not handle until the manufacturer's safety precautions have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all products with which they come in contact. While we believe that the data contained herein is accurate and derived from qualified sources, the data are not to be taken as a warranty or representation for which we assume legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state, provincial, and local laws and regulations.

ENVIRONMENTAL DATA SHEET

Zolatone Automotive, Industrial & Marine
3411 East 15th. Street
Los Angeles, Ca 90023
www.zolatoneaim.com

All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

PRODUCT NUMBER
9273-21SC-QT, 9273-21SC-PT

PRODUCT NAME
Zo-Urethane 2.1 Slow Catalyst

PRODUCT WEIGHT 9.196 lb/gal
SPECIFIC GRAVITY 1.100
FLASH POINT -20 - 284 F

Table with columns: VOLATILE INGREDIENTS NAME, CAS No., CERC., SARA 313 TC, HAPS 112, PCT by Wt, PCT by Vol. Lists ingredients like Glycol Ether EB Acetate, Xylene, Mixed Isomers, Ethylbenzene, etc.

VOLATILE ORGANIC COMPOUNDS

Table with columns: Property (A-E), Unit, Value. Includes Coating Density, Total Volatiles, Organic Volatiles, Percent Non-Volatile, Total VOC Content, Less Exempt Solvents, Solids.

WASTE DISPOSAL

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of his information.