

## Section 1. Product and Company Identification

<b>Manufacturer</b>	: Seacoat SCT, LLC 31902 Industrial Park Dr., Pinehurst, Texas, USA. 77362 USA Tel: +1-832-237-4400; Fax: +1-832-237-4414
<b>Emergency Telephone</b>	: +1-832-237-4400; +1-713-261-0558. For Chemical Emergency Only (spill, leak, fire, exposure, or accident)
<b>Material Name</b>	: SEAPOXY 73 (Part B) Base Resin
<b>MSDS No.</b>	: SPXY73-06.01.20B
<b>Product Description</b>	: SEAPOXY 73 Immersion Grade Anticorrosive Epoxy Coating (Part B), Base Resin
<b>CAS No.</b>	: N/A - Mixture

This Material Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements of the International Chemical Safety Cards (ICSCs) of the Global Harmonizing System (GHS). THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD).

**IMPORTANT:** Read this MSDS before handling and disposing of this product. Pass this information on to employees, customers and end users of this product.

## Section 2. Hazards Identification

<b>Symbols</b>	: 
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<b>Signal word</b>	: Danger
<b>Routed of Exposure</b>	: ❖ INHALATION of vapor or spray mist. ❖ EYE or SKIN contact with the product, vapor or spray mist.

<b>Effects of Overexposure</b>	: Irritation.
<b>Eyes</b>	: Irritation.
<b>Skin</b>	: Prolonged or repeated exposure may cause irritation.
<b>Inhalation</b>	: Irritation of the upper respiratory system.

<b>May cause nervous system depression.</b>	: ❖ the liver ❖ the urinary system
<b>Extreme overexposure may result in unconsciousness and possibly death.</b>	: ❖ the reproductive system

**Prolonged overexposure to hazardous ingredients in Section 3 may cause adverse chronic effects to the following organs or systems**

<b>Sign and Symptoms of Overexposure</b>	: 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.
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<b>Medical Conditions Aggravated by Exposure</b>	: None generally recognized.
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<b>Cancer Information</b>	: For complete discussion of toxicology data refer to <b>Section 11</b> .
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### Section 3. Composition Information

Component	CAS No.	PEL (OSHA)	TLV (ACGIH)	Stel (OSHA / ACGIH)	Weight (%)	Vapor Pressure
Ethylbenzene	100-41-4	100 PPM	20 PPM	125 PPM	0.8	7.1mm
Xylene	1330-20-7	100 PPM	100 PPM	150 PPM	4	5.9mm
Methyl Isobutyl Ketone	108-10-1	50 PPM	50 PPM	75 PPM	7	16mm
Epoxy Polymer	25085-99-8	Not Available	Not Available		14	
Quartz	14808-60-7	Not Available	Not Available		58	

### Section 4. First Aid Measures

- Skin Contact** : ❖ Wash affected area thoroughly with soap and water.  
❖ If irritation persists or occurs later, get medical attention.  
❖ Remove contaminated clothing and launder before re-use.
- Ingestion** : Do not induce vomiting. Get medical attention immediately.
- Inhalation** : If affected, remove from exposure. Restore breathing. Keep warm and quiet.
- Eye Contact** : Flush eyes with large amounts of water for 15 minutes. Get medical attention **IMMEDIATELY**.

### Section 5. Fire Fighting Measures

Flash Point	LEL	UEL	Flammability Classification
17.77°C PMCC	1.0	7.5	RED LABEL -- Flammable, Flash below 38 °C

- Extinguishing Media** : Carbon Dioxide, Dry Chemical, Foam.
- 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 nozzles 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.
- Unusual Explosion and Fire Procedures** : ❖ Closed 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.

### Section 6. Accidental Release Measures

- Steps to be Taken in Case Material is Released or Spilled** : ❖ Remove all sources of ignition. Ventilate the area.  
❖ Remove with inert absorbent.

## Section 7. Handling and Storage

<b>Storage Category</b>	:	DOL Storage Class IB
<b>Precautions to be Taken in Handling and Storage</b>	:	<ul style="list-style-type: none"> <li>❖ Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.</li> <li>❖ During use and until all vapours are gone:               <ul style="list-style-type: none"> <li>✓ Keep area ventilated</li> <li>✓ Do not smoke</li> <li>✓ Extinguish all flames, pilot lights, and heaters</li> <li>✓ Turn off stoves, electric tools and appliances, and any other sources of ignition.</li> </ul> </li> <li>❖ Consult NFPA Code. Use approved Bonding and Grounding procedures.</li> <li>❖ Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labelling. Do not take internally.</li> <li>❖ Keep out of the reach of children.</li> </ul>

## Section 8. Exposure Controls / Personal Protection

<b>Precautions to be Taken in Use</b>	:	<ul style="list-style-type: none"> <li>❖ Use only with adequate ventilation.</li> <li>❖ Do not get in eyes or on skin. Avoid breathing vapor and spray mist.</li> <li>❖ Wash hands after using.</li> <li>❖ This coating may contain materials classified as nuisance particulates (listed "as Dust" in <b>Section 3</b>) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in <b>Section 3</b>, the applicable limits for nuisance dusts are ACGIH 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).</li> </ul>
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### Ventilation

<b>Local Exhaust</b>	:	Necessary
<b>General Exhaust</b>	:	Acceptable if the exposure to materials in <b>Section 3</b> is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

<b>Respiratory Protection</b>	:	<ul style="list-style-type: none"> <li>❖ 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 <b>Section 3</b>.</li> <li>❖ 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.</li> </ul>
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<b>Eye Protection</b>	:	To prevent eye contact, wear safety spectacles with unperforated sideshields.
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<b>Protective Gloves</b>	:	To prevent skin contact, wear gloves which are recommended by glove supplier for protection against materials in <b>Section 3</b> .
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<b>Other Protective Equipment</b>	:	Use barrier cream on exposed skin.
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<b>Other Precautions</b>	:	<ul style="list-style-type: none"> <li>❖ This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.</li> <li>❖ Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.</li> </ul>
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## Section 9. Physical and Chemical Properties

**Appearance:**

<b>Form</b>	: Liquid
<b>Odor</b>	: Solvent
<b>Odor Threshold</b>	: No information available

**Safety Data:**

<b>Product Weight</b>	: 13.48 lb/gal 1614 g/l
<b>Melting point / Freezing point</b>	: No information available
<b>Boiling Point (IBP, 50%, Dry Point)</b>	: 113°C -144°C
<b>Evaporation Rate</b>	: Slower than ether
<b>Flammability Classification</b>	: Class I B
<b>Volatile Volume</b>	: 24%
<b>Vapor Density (air=1)</b>	: Heavier than air
<b>Gravity @ 20/20°C</b>	
<b>Specific Gravity (Water=1)</b>	: 1.62
<b>Water Solubility</b>	: No information available
<b>VOC (VOC Theoretical – As Packaged)</b>	: 1.64 lb/gal 197 g/l (Less Water and Federally Exempt Solvents) 1.64 lb/gal 197 g/l (Emitted VOC)

## Section 10. Stability and Reactivity

<b>Chemical stability</b>	: Stable.
<b>Conditions to avoid</b>	: None known.
<b>Incompatibility</b>	: None known.
<b>Hazardous decomposition products</b>	: Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ) from burning.
<b>Hazardous polymerization</b>	: Hazardous polymerization will not occur.

## Section 11. Toxicological Information

<b>Chronic Health Hazards</b>	: <ul style="list-style-type: none"> <li>❖ Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.</li> <li>❖ Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumours in rats and lung and liver tumours in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.</li> <li>❖ Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.</li> </ul>
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## Section 11. Toxicological Information (Continued)

### Mammalian Toxicity Information:

Material	CAS No.	Lowest Known Lethal Dose Data		
Ethylbenzene	100-41-4	LC50 RAT	4HR	Not Available
		LD50 RAT		3500 mg/kg
Xylene	1330-20-7	LC50 RAT	4HR	5000 ppm
		LD50 RAT		4300 mg/kg
Methyl Isobutyl Ketone	108-10-1	LC50 RAT	4HR	Not Available
		LD50 RAT		2080 mg/kg
Epoxy Polymer	25085-99-8	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
Quartz	14808-60-7	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

## Section 12. Ecological Information

**Ecotoxicological Information** : No data available.

## Section 13. Disposal Considerations

**Waste Disposal Method** :

- ❖ 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.
- ❖ Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

## Section 14. Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

### US Ground (DOT):

5 Litres (1.3 Gallons) and Less may be Classed as LTD. QTY. (PAINT OR RELATED).

Larger Containers are Regulated as:

**UN Number** : UN1263  
**Proper Shipping Name** : Paint Related Material  
**Transport hazard Class** : 3  
**Packing group** : II  
**NAERG** : 128  
**Hazardous Substances & Reportable Quantities** : Xylenes (mixed isomers) 100 lb RQ

**Section 14. Transport Information (Continued)**

Bulk Containers may be Shipped as (check reportable quantities):

- UN Number : UN1263
- Proper Shipping Name : Paint Related Material
- Transport hazard Class : 3
- Packing group : II
- NAERG : 128
- Hazardous Substances & Reportable Quantities : Xylenes (mixed isomers) 100 lb RQ

**Canada (TDG): LIMITED QUANTITY**

Larger Containers are Regulated as:

- UN Number : UN1263
- Proper Shipping Name : Paint Related Material
- Transport hazard Class : 3
- Packing group : II
- NAERG : 128

**Air Transport (ICAO / IATA):**

Larger Containers are Regulated as:

- UN Number : UN1263
- Proper Shipping Name : Paint Related Material
- Transport hazard Class : 3
- Packing group : II
- NAERG : 128

**SEA TRANSPORT (IMDG / IMO):**

5 Litres (1.3 Gallons) and Less may be Shipped as Limited Quantity.

Larger Containers are Regulated as:

- UN Number : UN1263
- Proper Shipping Name : Paint Related Material
- Transport hazard Class : 3
- Packing group : II
- EmS : F-E, S-E
- Environmental hazard (Marine Pollutant) : No
- NAERG : 128

**Section 15. Regulatory Information**

**SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

CAS No.	Chemical/Compound	% by WT	% Element
100-41-4	Ethylbenzene	0.7	
1330-20-7	Xylene	4	
108-10-1	Methyl Isobutyl Ketone	7	

**TSCA Certification** : All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

## Section 15. Regulatory Information (Continued)

**California Proposition 65**

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

**International Chemical Inventory:**

**USA (TSCA)** : All components of this material are listed on the US Toxic Substances Control Act.

**Canada (DSL / NDSL)** : All components of this material are listed on the Canadian Domestic Substances List and the Non-Domestic Substances List.

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS):**

- B2: Flammable Liquid
- D2B: Irritating to skin / eyes

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and MSDS contains all the information required by the CPR.

**Europe (EINECS / ELINCS)** : All components of this material are listed on the European Inventory of Existing Commercial Chemical Substances and the European List on Notified Chemical Substances.

**Australia (AICS)** : All components of this material are listed on the Australian Inventory of Chemical Substances.

**Korea (KECI)** : All components of this material are listed on the Korea Existing Chemicals Inventory.

**Philippine (PICCS)** : All components of this material are listed on the Philippine Inventory of Chemicals and Chemical Substances.

**Japan (CSCL/ ENCS/ ISHL/ METI)** : All components of this material are listed on the Japan Chemical Substances Control Law, Japanese Existing and New Chemical Substances Inventory, Japan Industrial Safety and Health Law and the Ministry of Economy, Trade and Industry.

**China (IECSC)** : All components of this material are listed on the Inventory of Existing Chemical Substances in China.

**New Zealand (NZIoC)** : All components of this material are listed on the New Zealand Inventory of Chemicals.

**Switzerland (EINECS)** : All components of this material are listed on the European Inventory of Existing Commercial Chemical Substances.

**Taiwan (TCSI)** : All components of this material are listed on the Taiwan's Chemical Substance Inventory.

## Section 16. Other Information

**Key to abbreviations:**

<b>ACGIH</b>	:	American Conference of Governmental Industrial Hygienists
<b>ANSI</b>	:	American National Standards Institute
<b>CAS</b>	:	Chemical Abstracts Service
<b>DOL</b>	:	Department of Labor
<b>DOT</b>	:	Department of Transportation
<b>EPA</b>	:	Environmental Protection Agency
<b>HMIS</b>	:	Hazardous Materials Identification System
<b>IARC</b>	:	International Agency for Research on Cancer
<b>IATA</b>	:	The International Air Transport Association
<b>IBP</b>	:	Initial Boiling Point

**Section 16. Other Information (Continued)**

**Key to abbreviations:**

ICAO	:	International Civil Aviation Organisation
IMDG	:	The International Maritime Dangerous Goods
IMO	:	International Maritime Organization
LEL	:	Lower Explosive Limit
MSDS	:	Material Safety Data Sheet
MSHA	:	Mine Safety and Health Administration
NAERG	:	North American Emergency Response Guidebook
NFPA	:	National Fire Protection Association
NIOSH	:	National Institute for Occupational Safety and Health
NTP	:	National Toxicology Program
OSHA	:	Occupational Safety and Health Administration
PEL	:	Permissible Exposure Limits
PMCC	:	Pensky-Martin Open Cup Method
SARA	:	Superfund Amendments and Reauthorization Act
STEL	:	Short Term Exposure Limit
TDG	:	Transportation of Dangerous Goods
TLV	:	Threshold Limit Value
UEL	:	Upper Explosive Limit
VOC	:	Volatile Organic Compound

**Hazards Ratings:**

<b>HMIS Rating</b>		
Health	:	2
Flammability	:	3
Reactivity	:	0

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**Manufacturer disclaimer**

This information is provided in good faith and is correct to the best of Seacoat SCT, LLC knowledge as of the date hereof and is designed to assist our customers; however, Seacoat SCT, LLC makes no representation as to its completeness or accuracy. Our products are intended for sale to industrial and commercial customers. We require customers to inspect and test our products before use and to satisfy themselves as to suitability for their specific applications. Any use which Seacoat SCT, LLC customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. Seacoat SCT, LLC disclaims responsibility for damages, or liability, of any kind resulting from the use of this information. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process. **THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL SEACOAT SCT, LLC BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.**

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