

MATERIAL SAFETY DATA SHEET

Reviewed 1/01

Section I

Manufacturer's Name
Coatings For Industry, Inc.

Emergency Phone #
1-800-535-5053

Address
319 Township Line Road
Souderton, PA 18964

Non-Emergency #
215-723-0919

Chemical Family
Silicone Copolymer Coating

Trade Name
Siloxseal 385

Section II - Hazardous Ingredients

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM
HEALTH - 2 FLAMMABILITY - 3 REACTIVITY - 0

Ingredient/ CAS #	Wt. %	TLV		Source	IDLH ppm	Vapor Pressure (mm Hg @68°F)	LEL
		ppm	mg/m ³				
Meta-Xylene 108-38-3	25.8	100	434	TWA/ACGIH	1000	8.30	1.10
		100	434	Federal Pel			
		150	651	STEL/ACGIH			
		100	434	NIOSH			
Ethyl Benzene 100-41-4	11.4	100	435	TWA/ACGIH	2000	7.10	.80
		100	435	Federal Pel			
		125	545	STEL/ACGIH			
Ortho-Xylene 95-47-6	11.4	100	434	TWA/ACGIH	1000	5.20	.90
		100	434	Federal Pel			
		150	651	STEL/ACGIH			
		100	434	NIOSH			
Para-Xylene 106-42-3	11.4	100	434	TWA/ACGIH	1000	8.60	1.10
		100	434	Federal Pel			
		150	434	STEL/ACGIH			
		100	434	NIOSH			

Section III - Physical Data

Boiling Range ~~~~~ 277 - 293° F.
Specific Gravity ~~~~~ 1.03
Vapor Density (Air = 1) ~~~~~ 3.250
Volatile Organic Content (VOC) ~~~~~ 675 grams/liter
Appearance & Odor ~~~~~ Amber solution/Aromatic odor
Solubility in Water ~~~~~ Negligible
% Volatile by Volume ~~~~~ 71%
Evaporation Rate (n-Bu Ac=1) ~~~~~ 0.63
Vapor Pressure (mm Hg @ 68°F.) ~~~~~ 6.63

Section IV - Fire and Explosion Hazard Data

Flash Point ~~~~~ 80° F. Setaflash
OSHA Classification ~~~~~ IC
Flammable Limits % by Volume in Air at 212° F.
 Lower Explosion Limit ~~~~~ 1.10
 Upper Explosion Limit ~~~~~ 7.00

Extinguishing Media ~ Use foam, carbon dioxide or chemical fire fighting apparatus.
Unusual Fire and Explosion Hazards ~ Keep containers tightly closed. Isolate from heat, electrical equipment. Sparks and closed containers may explode when exposed to extreme heat.
Special Fire Fighting Procedures ~ The use of self-contained breathing apparatus is recommended for fire fighters. Water spray may be used for cooling containers to prevent possible pressure build-up and auto-ignition or explosion when exposed to extreme heat. Avoid spreading burning liquid with water used for cooling.

Section V - Health Hazard Data

Threshold Limit Value - See Section II.

Effects of Overexposure

Eye Contact ~ Severe irritation, redness, tearing and blurred vision.

Skin Contact ~ Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.

Inhalation ~ Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis. (Central Nervous System depression).

Ingestion ~ Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

** Laboratory animals exposed by various routes to high doses of xylene showed evidence of effects in the liver, kidneys, lungs, spleen, heart and adrenals. Rats exposed to xylene vapor during pregnancy showed embryo/fetotoxic effects. Mice exposed orally to doses producing maternal toxicity also showed embryo/fetotoxic effects. Rats exposed by inhalation to 800 ppm or greater of xylene for 14 hours a day for 6 weeks or to 1450 ppm 8 hours a day for 1 to 3 days exhibited high frequency hearing deficits. **

** While there is no evidence that industry acceptable levels of aromatic solvent vapors (e.g. The TLV) have produced cardiac effects in humans, animal studies have shown that inhalation of high levels of toluene produced cardiac sensitization. Such sensitization may cause fatal changes in heart rhythms. This latter effect was shown to be enhanced by hypoxia or the injection of adrenaline-like agents. Rats exposed to 1400 ppm or 1200 ppm of toluene for 14 hours a day for 4 or 5 weeks (respectively) exhibited high frequency hearing deficits. The significance of this information to man is unknown. **

** Chronic exposure may cause damage to the Central Nervous System, Respiratory System, Lungs, Eyes, Skin, Gastrointestinal Tract, Liver, Spleen and Kidneys. **

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact ~ Flush with clean, lukewarm water for at least 15 minutes, occasionally lifting the eyelids. Obtain medical attention.

Skin Contact ~ Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Wash contaminated clothing thoroughly before re-use.

Inhalation ~ Remove to fresh air. Apply artificial respiration or administer oxygen, if necessary. Call a physician immediately.

~ **Ingestion** ~ Keep person warm, quiet and get immediate medical attention. Do not induce vomiting, because aspiration of material into the lungs from vomiting can cause chemical pneumonitis which can be fatal.

Section VI - Reactivity Data

Stability ~~~~~ Stable

Incompatibility ~~~~~ Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products ~~~~~ Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

Hazardous Polymerization ~~~~~ Will not occur.

California SCAQMD Rule 443.1 ~~~~~ This product contains photochemically reactive volatile organic compound(s). Refer to Sections II and III.

Section VII - Spill or Leak Procedures

Steps To Be Taken In Case Material Is Released Or Spilled

Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protection equipment (See Section VIII). Dike around spilled material. Cover spill with inert absorbent material and shovel with non-sparking tools into container. Remove containers to a safe area and seal.

Waste Disposal Method

Waste material must be disposed of in accordance with federal, state and local environmental regulatory controls.

Section VIII - Special Protection Information

Respiratory Protection

Use self-contained breathing apparatus where vapor concentration may be above TLV limits. Below the TLV limits, use a NIOSH-approved vapor respirator or an air line respirator with escape bottle provisions.

Ventilation

Local exhaust must be sufficient to keep airborne vapor concentrations below the TLV limit. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

Protective Gloves

Chemical resistant gloves.

Eye Protection

Safety glasses with side shields.

Other Protective Equipment

Eye bath and safety shower. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM - See Page 1 of MSDS.

Section IX - Special Precautions

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Drums - Protect against physical damage. Outside or detached storage preferred.

Bulk - Storage should be in standard flammable liquid storage tanks.

OTHER PRECAUTIONS

All equipment should be grounded and bonded to reduce static electricity hazard. Use non-sparking tools.

Disposal of containers should be in accordance with applicable federal, state and local laws and regulations. "Empty" drums should not be given to individuals.

ENVIRONMENTAL DATA SHEET

****MUST NOT BE DETACHED FROM MATERIAL SAFETY DATA SHEET****

IF MSDS IS COPIED/ REDISTRIBUTED, NOTICE MUST BE ATTACHED

Manufactured by - Coatings For Industry, Inc.
 319 Township Line Road
 Souderton, PA 18964

Product Name - Siloxseal 385
Product Class - Silicone Copolymer Paint

Section I - Product Identification/Composition

Product	Component	CAS #	Percent
	Silicone Copolymer Paint	MIXTURE	100
TYPICAL DISTRIBUTION OF HAZARDOUS COMPONENTS			
1	Meta-Xylene	108-38-3	25.8
2	Ethyl Benzene	100-41-4	11.4
3	Ortho-Xylene	95-47-6	11.4
4	Para-Xylene	106-42-3	11.4

Section II - SARA Title III Information

Product	EHS RQ (lbs.) (*1)	EHS TPQ (lbs.) (*2)	Section 313 (*3)	311/312 Categories (*4)		
P				1	4	5
1			YES	1	4	5
2			YES	1	4	5
3			YES	1	4	5
4			YES	1	4	5

- *1 = Reportable Quantity of Extremely Hazardous Substance, SARA Sec. 302/304
- *2 = Threshold Planning Quantity, Extremely Hazardous Substance, SARA Sec. 302
- *3 = Toxic Chemical, SARA Sec. 313
- *4 = Hazard Category for SARA Sec. 311/312 Reporting
 - 1 = Fire Hazard
 - 2 = Sudden Release of Pressure Hazard
 - 3 = Reactive Hazard
 - 4 = Immediate (Acute) Health Hazard
 - 5 = Delayed (Chronic) Health Hazard

Section III - DOT/CERCLA Information

The CERCLA Reportable Quantity (RQ) for this mixture is 1,053 lbs. Which is based on the RQ of each ingredient and its percent in mixture.

Section IV - Additional Regulatory Information

The polymer and all components of this product are present on the United States Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

The polymer or another component of this product is not present on the Canadian Environmental Protection Act (CEPA) Domestic Substances List.

Notice This information is presented in good faith and believe to be accurate as of the effective date below. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ from one location to another: it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The preceding specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.