

Material Safety Data Sheet

Sierra Performance Coatings
by Rustoleum
24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name: Sierra S40 Epoxy
208061, 208062, 208063, 208064,
208065, 208066, 208067, 208073,
Identification Number: 208075, 208080, 208084, 208085,
208070, 208071, 208072, 208074,
208076, 208078, 208079, 208082,
208068, 208557
Product Use/Class: Sierra S40 Epoxy
Supplier: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA
Preparer: Department, Regulatory
Revision Date: 08/28/2006
Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Titanium Dioxide	13463-67-7	45.0	10 mg/m3	N.E.	10 mg/m3	N.E.
Pigment Yellow 74	6358-31-2	15.0	N.E.	N.E.	N.E.	N.E.
Magnesium Silicate	14807-96-6	5.0	10 mg/m3	N.E.	15 mg/m3	N.E.
Polyoxypropylenediamine	9046-10-0	5.0	N.E.	N.E.	N.E.	N.E.
Tetraethylene Pentamine	112-57-2	5.0	N.E.	N.E.	N.E.	N.E.
Heavy Paraffinic Petroleum Distillates	64742-54-7	5.0	5 MG/M3	N.E.	5MG/M3	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Causes skin and eye burns.

Effects Of Overexposure - Eye Contact: Causes eye irritation. Corrosive. Will cause eye burns and permanent tissue damage, including blindness.

Effects Of Overexposure - Skin Contact: Causes skin burns, irritation and possible allergic reaction. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material. Causes skin irritation. Allergic reactions are possible. Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: Low hazard for usual industrial handling or commercial handling by trained personnel. Routine handling and application does not require use of respiratory protection; however, if air monitoring demonstrates vapor, mist, or dust levels above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during handling and application. Follow respirator manufacturer's directions for respirator use.

Effects Of Overexposure - Ingestion: Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: Contains: n-Hexane. Occupational and deliberate overexposure to n-Hexane has been shown to cause peripheral nervous system damage. Limit exposure to vapors to be below listed exposure limits.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

First Aid - Ingestion: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

Section 5 - Fire Fighting Measures

Flash Point: 212 F
(Setaflash)

LOWER EXPLOSIVE LIMIT: 4.0 %
UPPER EXPLOSIVE LIMIT : 19.9 %

Extinguishing Media: Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

Special Firefighting Procedures: Water may be used to cool closed containers to prevent buildup of steam.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

Section 7 - Handling And Storage

Handling: Wash hands before eating. Wash thoroughly after handling. Avoid contact with eyes.

Storage: Keep from freezing. Keep container closed when not in use.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Skin Protection: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

Eye Protection: Use ANSI Z87.1 approved safety eyewear. Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Boiling Range:	212 - 900 F	Vapor Density:	Heavier than air
Odor:	Not Applicable	Odor Threshold:	ND
Appearance:	Liquid	Evaporation Rate:	Slower than Ether
Solubility in H ₂ O:	Slight		
Freeze Point:	ND	Specific Gravity:	1.6740
Vapor Pressure:		PH:	NE
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid contact with strong acid and strong bases.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

<u>Chemical Name</u>	<u>LD50</u>	<u>LC50</u>
Titanium Dioxide	>7500 mg/kg (ORAL, RAT)	N.D.
Pigment Yellow 74	>15000 mg/kg (ORAL, RAT)	N.D.
Magnesium Silicate	N.D.	TCLo:11mg/m ³ inh.
Polyoxypropylenediamine	2.88 g/kg (ORAL, RAT)	N.D.
Tetraethylene Pentamine	660 MG/KG (DERMAL, RABBIT)	N.D.
Heavy Paraffinic Petroleum Distillates	>15000 mg/kg (Rat,Oral)	

Section 12 - Ecological Information

Ecological Information: No Information.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Paint	Packing Group:	---
DOT Technical Name:	---	Hazard Subclass:	Not Regulated
DOT Hazard Class:	---	Resp. Guide Page:	---
DOT UN/NA Number:	---		

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

None known

Toxic Substances Control Act:

Product is a mixture of components either listed or exempt from TSCA requirements.

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name

Water
Polyamine Polymer
Black Iron Oxide
Pigment Red 170

CAS Number

7732-18-5
PROPRIETARY
1317-61-9
2786-76-7

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name**CAS Number**

Water	7732-18-5
Polyamine Polymer	PROPRIETARY
Black Iron Oxide	1317-61-9
Pigment Red 170	2786-76-7
Red Iron Oxide	1332-37-2
Yellow Iron Oxide	51274-00-1
Urea Based Copolymer	PROPRIETARY
Amorphous Precipitated Silica	112926-00-8
Ethoxylated Urethane Copolymer	MIXTURE
Aluminum Hydroxide	21645-51-2
Phthalo Blue Surfactant Pigment Dispersion	PROPRIETARY

California Proposition 65:

This product contains no listed substances known to the State of California to cause cancer and/or birth defects or other reproductive harm, at levels which would require a warning under the statute.

International Regulations: As follows -**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: D2B

Section 16 - Other Information

HMIS Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Personal Protection: X

REASON FOR REVISION:

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.