

Material Safety Data Sheet



Section 1 - Manufacturer and Product Information

Manufacturer: CARBOLINE, DIVISION OF STONCOR GROUP, INC.
Mailing: 350 HANLEY IND. CT.
Address: ST. LOUIS, MO 63144

Customer Information: (314) 644-1000
24 Hour Emergency: CHEMTREC 1-800-424-9300
Phone: Outside US (703) 527-3887

Product Name: Semstone 140-140CT Part A Revision Date: 10/10/2003
Product Code: 174PA1NL Supercedes : 07/12/2003
Preparer: Schlereth, Ken

Section 2 - Composition / Information On Ingredients

<u>CAS # OR NJ TRADE SECRET #</u>	<u>CHEMICAL NAME</u>	<u>WEIGHT % LESS THAN</u>
012001-26-2	MICA	15.0
014808-60-7	SILICON DIOXIDE	10.0
013463-67-7	TITANIUM DIOXIDE	5.0

Chemical Exposure Guidelines

<u>CAS# OR NJ TRADE SECRET #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
012001-26-2	20. MPPCF	3. MG/M3
014808-60-7	0.1 MG/M3	0.1 MG/M3
013463-67-7	15.0 MG/M3	10.0 MG/M3

Section 3 - Hazards Identification

Emergency Overview: MOBILE LIQUID. CAN CAUSE ALLERGIC SKIN REACTION OR SENSITIZATION. SINGLE DOSE ORAL TOXICITY IS LOW. SWALLOWING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL. MODERATE EYE AND SKIN IRRITANT!

Potential Health Effects:

Eyes: MAY CAUSE SLIGHT TRANSIENT EYE IRRITATION. CORNEAL INJURY IS UNLIKELY.

Skin: PROLONGED EXPOSURE NOT LIKELY TO CAUSE SIGNIFICANT SKIN IRRITATION. REPEATED EXPOSURE MAY CAUSE IRRITATION. HAS CAUSED ALLERGIC SKIN REACTIONS IN HUMANS.

Ingestion: SINGLE DOSE ORAL TOXICITY IS EXTREMELY LOW. NO HAZARDS ANTICIPATED FROM SWALLOWING SMALL AMOUNTS DURING HANDLING.

Inhalation: VAPORS ARE UNLIKELY DUE TO PHYSICAL PROPERTIES.

Systemic: EXCEPT FOR SKIN SENSITIZATION, REPEATED EXPOSURES ARE NOT ANTICIPATED TO CAUSE ANY SIGNIFICANT ADVERSE EFFECTS.

* This product contains the following chemicals classified by the International Agency for Research on Cancer (IARC) as 1, 2A, or 2B carcinogens:

CAS # OR NJ TRADE SECRET #
014808-60-7
001333-86-4

IARC
Known Carcinogenic
Possibly Carcinogenic

Section 4 - First Aid Measures

Eyes: FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

Skin: REMOVE CONTAMINATED CLOTHING AND WIPE EXCESS FROM SKIN. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION.

Ingestion: DO NOT INDUCE VOMITING. NO TREATMENT NECESSARY UNLESS LARGE QUANTITIES ARE INGESTED, THEN SEEK MEDICAL ADVICE.

Inhalation: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

Section 5 - Fire Fighting Measures

Flash Point: 350F / 177C
(PMCC)

Lower Explosive Limit, %: N.D.
Upper Explosive Limit, %: N.D.

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Haz. Combustion Products: PHENOLINCS AND CARBON MONOXIDE

Fire Fighting Instruction: USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS .

Fire Fighting Equipment: FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS.

Other Information: No Information.

Section 6 – Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: USE RESPIRATORY PROTECTION EQUIPMENT AND IMPERVIOUS PROTECTIVE CLOTHING. ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA IF INDOORS. DIKE AND CONTAIN SPILL. PUMP INTO SALVAGE TANKS AND/OR ABSORB WITH SUITABLE MATERIAL. USE SPARKLESS SHOVELS TO REMOVE MATERIAL.

Section 7 - Handling And Storage

Handling: PRACTICE GOOD CAUTION AND PERSONAL CLEANLINESS TO AVOID SKIN AND EYE CONTACT. AVOID BREATHING VAPORS OF HEATED MATERIAL.

Storage: RECOMMENDED PUMPING AND STORAGE TEMPERATURE IS 60 C (BULK LIQUIDS). STORE PACKAGED PRODUCTS AT ROOM TEMPERATURE.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: ADEQUATE GENERAL AND LOCAL EXHAUST.

Respiratory Protection: NOT REQUIRED UNDER NORMAL CONDITIONS. USE ORGANIC VAPOR RESPIRATOR UNDER EMERGENCY CONDITIONS.

Skin Protection: NITRILE RUBBER GLOVES. LATEX GLOVES. IN EMERGENCY SITUATIONS WEAR IMPERMEABLE GLOVES WITH CUFFS.

Eye Protection: CHEMICAL SAFETY GLASSES. SPLASH-PROOF GOGGLES. IN EMERGENCY SITUATIONS USE FULL FACE SHIELD.

Other Protective Equipment: SLICKER SUIT, RUBBER BOOTS IN SPILL RESPONSE SITUATIONS.

Section 9 - Physical And Chemical Properties

Physical State:	LIQUID
Appearance:	GREY, BLUE, OR RED
Odor:	EPOXY ODOR
Vapor Pressure:	N/A
Vapor Density:	N/A
Boiling Range:	None - None
Solubility in H ₂ O:	INSOLUBLE
Specific Gravity:	1.273
Viscosity:	N/A
pH:	N/A

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Stability: STABLE AT AMBIENT TEMPERATURES.

Conditions To Avoid: EXCESS HEATING ABOVE 60 C OVER LONG PERIODS OF TIME DEGRADES THE RESIN

Incompatibility: BASES, ACIDS, AMINES AND OXIDIZING MATERIALS.

Hazardous Decomposition Products: PHENOLINCS AND CARBON MONOXIDE

Hazardous Polymerization: WILL NOT OCCUR BY ITSELF, BUT MASSES OF MORE THAN 1 LB OF PRODUCT + AN ALIPHATIC AMINE WILL CAUSE IRREVERSIBLE POLYMERIZATION W/ CONSIDERABLE HEAT

Section 11 - Toxicological Information

Skin/Dermal: THE LD50 FOR SKIN ABSORPTION IN RABBITS IS 20,000 mg/kg

Oral/Ingestion: THE ORAL LD50 FOR RATS IS >5000 mg/kg

Inhalation: NO DATA

Section 12 - Ecological Information

Movement & Partitioning: BIOCONCENTRATION POTENTIAL IS LOW (BCF LESS THAN 100 OR LOG KOW LESS THAN 3).

Degradation & Transformation: BIODEGRADATION UNDER AEROBIC STATIC LABORATORY CONDITIONS IS BELOW DETECTABLE LIMITS (i.e. BOD LESS THAN 2.5% OF THEORETICAL) IN 20 DAYS.

Ecotoxicology: MATERIAL IS HIGHLY TOXIC TO AQUATIC ORGANISMS ON AN ACUTE BASIS (LD50 BETWEEN 0.1 AND 1.0 mg/L IN MOST SENSITIVE SPECIES)

Section 13 - Disposal Information

Disposal Information: INCINERATE OR LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

Section 14 - Transportation Information

DOT Proper Shipping Name:	PAINT LIQUID, NON-HAZARDOUS
DOT Technical Name:	None
DOT Hazard Class:	NONE
Hazard Subclass:	NONE
DOT UN/NA Number:	None
Packing Group:	None
Resp. Guide Page:	None

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:

None Known.

SARA Section 313:

This product contains the following substances 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

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None

Clean Air Act:

Coating Category:	INDUSTRIAL MAINTENANCE COATINGS
VOC Content Limit (g/l)*:	450
Product VOC Content (g/l)*:	0
Thinning Recommendations:	None
Application Recommendations:	FOR INDUSTRIAL USE ONLY

* Grams of VOC per liter of coating product as applied (mixture of Part A and Part B) per EPA Method 24.

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.

<u>CAS # OR NJ TRADE SECRET #</u>	<u>CHEMICAL NAME</u>
025068-38-6	DIGLYCIDYL ETHER OF BISPHENOL
120547-52-6	ALKYL GLYCIDYL ETHER

Pennsylvania Right-to-Know:

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

<u>CAS # OR J TRADE SECRET #</u>	<u>CHEMICAL NAME</u>
025068-38-6	DIGLYCIDYL ETHER OF BISPHENOL
120547-52-6	ALKYL GLYCIDYL ETHER

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>CAS # OR NJ TRADE SECRET #</u>	<u>CHEMICAL NAME</u>
014808-60-7	SILICON DIOXIDE
001333-86-4	CARBON BLACK

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

None

International Regulations:

CANADIAN WHMIS:

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

*** CANADIAN DSL:**

All chemical ingredients included on inventory

*** European Economic Community (EEC) EINECS Master Inventory:**

All chemical ingredients included on inventory

Section 16 - Other Information

ESTABLISH GOOD PERSONAL HYGIENE AND WORK PRACTICES. ALWAYS WASH HANDS AND FACE BEFORE EATING, DRINKING OR SMOKING. AVOID CONTACT WITH EYES AND SKIN.

HMS Ratings:

Health: 2

Flammability: 1

Reactivity: 1

Personal Protection: X

REASON FOR REVISION: Changed Company name from Plasite to Carboline

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

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product in violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with the respect to the use of any material supplied by us.