

MATERIAL SAFETY DATA SHEET

MaxStat EC/ESD Epoxy Floor Covering: PART A

SECTION 1 — MATERIAL IDENTIFICATION

PRODUCT NAME:	StaticSmart MaxStat EC & ESD Epoxy Flooring
PRODUCT USE/CLASS:	MaxStat EC & ESD/Epoxy
SUPPLIER:	Julie Industries, Inc. 355 Middlesex Ave. Wilmington, MA 01887 www.staticsmart.com
TELEPHONE NUMBER:	978-988-8802
EMERGENCY TELEPHONE NUMBER:	800-424-9300
REVISION DATE:	07/08/2004

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	Weight % Less Than	ACGIH (TLV-TWA)	OSHA (PEL-TWA)
Microcrystalline Silica	14808-60 -7	45%	0.1 mg/M ³	10 mg/M ³ (Respirable)
Bis-A Liquid Epoxy Resin	25085-99 -8	45%	N.E.	N.E.
Benzyl Alcohol	100-51-6	10%	N.E.	N.E.
Hexanediol Diacrylate	13048-33 -4	5%		
Hydrotreated Light Distillate	64742-47 -8	5%	N.E.	N.E.
Titanium Dioxide	13463-67 -7	5%	10 mg/M ³	10 mg/M ³
Pigment Black 7	1333-86-4	5%	3.5 mg/M ³	3.5 mg/M ³

SECTION 3 — HAZARDOUS IDENTIFICATIONS

EMERGENCY OVERVIEW: Causes eye irritation. Causes skin irritation. May cause allergic skin reaction.

POTENTIAL HEALTH EFFECTS DUE TO OVEREXPOSURE:

EYE CONTACT: Extremely irritating to the eyes and may cause severe damage, including blindness. Substance causes severe eye irritation. Injury may be permanent.

SKIN CONTACT: May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

INHALATION: High vapor concentrations are irritating to the eyes, nose, throat and lungs.

INGESTION: Substance may be harmful if swallowed.

CHRONIC HAZARDS:

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hamper) under similar circumstances

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SECTION 3 — HAZARDOUS IDENTIFICATIONS ... continued

and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black. Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Governmental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula.

PRIMARY ROUTES OF ENTRY: Skin Contact, Inhalation, Eye Contact.

SECTION 4 — FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, do not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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

DO NOT LEAVE VICTIM UNATTENDED.

SECTION 5— FIRE-FIGHTING MEASURES AND FIRE HAZARDS

FLASH POINT(Setaflash): 210° F

LOWER EXPLOSIVE LIMIT: 0.6 %

UPPER EXPLOSIVE LIMIT: 9.0 %

EXTINGUISHING MEDIA: Dry Chemical, Foam, Water Fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES FAHRENHEIT

SPECIAL FIRE-FIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance. Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent buildup of steam.

SECTION 6 — ACCIDENTAL RELEASE MEASURES (SPILLS OR LEAKS)

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Dispose of according to Local, State (Provincial) and Federal regulations. DO NOT INCINERATE CLOSED CONTAINERS.

SECTION 7 — HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Use only in a well-ventilated area. Follow all MSDS/Label precautions even after container is emptied because it may retain product residues. Avoid contact with eyes, skin and clothing.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

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

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

ENGINEERING CONTROLS: Prevent buildup of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

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. Remove contaminated clothing immediately and launder before reuse.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY: 1.5160

BOILING RANGE: 205 - 350°F

ODOR: Not Applicable.

APPEARANCE: Liquid

VAPOR DENSITY: Heavier than air.

Ph: N.E.

FREEZE POINT: N.D.

SOLUBILITY IN WATER: Slightly Soluble

PHYSICAL STATE: Liquid

EVAPORATION RATE: Slower than Ether.

SECTION 10 — STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid temperatures above 120°F.

INCOMPATIBLE MATERIALS: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: No Information.

STABILITY: No Information.

SECTION 11 — TOXICOLOGICAL INFORMATION

Product LD50: N.D.

Product LC50: N.D.

CHEMICAL NAME

LD50

LC50

Microcrystalline Silica

N.D.

N.D.

SECTION 11 — TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50	LC50
Bis-A Liquid Epoxy Resin	>5000 mg/kg (RAT)	N.D.
Benzyl Alcohol	1230 mg/kg (ORAL, RAT)	1000 PPM (8HR, RAT)
Hexanediol Diacrylate	>5 G/KG (ORAL, RAT)	3.67 G/KG RAB.SKIN
Hydrotreated Light Distillate	N.D.	N.D.
Titanium Dioxide	>7500 mg/kg (ORAL, RAT)	N.D.
Pigment Black 7	>8000 mg/kg (ORAL, RAT)	

SECTION 12 — ECOLOGICAL INFORMATION

Product is a mixture of listed components.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of in accordance to all Federal, State and Local regulations.

Do not allow to enter storm drains or sewer systems.

PROPER WASTE DISPOSAL IS THE RESPONSIBILITY OF THE OWNER OF THE WASTE!

SECTION 14 — TRANSPORTATION INFORMATION

D.O.T.:

PROPER SHIPPING NAME: PAINT

U.N.#: _____

HAZARD CLASSIFICATION: _____

PACKING GROUP: _____

ALL PACKAGED MATERIAL MUST BE LABELED IN ACCORDANCE WITH D.O.T. AND OSHA STANDARDS.

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, CHRONIC 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:

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SECTION 15 — REGULATORY INFORMATION ... continued

<u>Chemical Name</u>	<u>CAS Number</u>
Hexanediol Diacrylate	13048-33-4

Toxic Substances Control Act:

Listed are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States: — **None Known** —

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>Chemical Name</u>	<u>CAS Number</u>
Epoxy Pigment Dispersion	MIXTURE

Pennsylvania Right-to-Know:

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

<u>Chemical Name</u>	<u>CAS Number</u>
Epoxy Pigment Dispersion	MIXTURE

California Proposition 65:

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

<u>Chemical Name</u>	<u>CAS Number</u>
Microcrystalline Silica	14808-60-7
Phenyl glycidyl ether	122-60-1

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards: — **None Known** —

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

VOLATILE ORGANIC COMPOUNDS, g/l:

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.