

Material Safety Data Sheet



Section 1 - Manufacturer and Product Information

Manufacturer: CARBOLINE, DIVISION OF STONCOR GROUP, INC.
Mailing Address: 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: Plasite 4550 Part B
Product Code: 119PB1NL
Preparer: Schlereth, Ken

Revision Date: 09/02/2003
Supercedes : 07/12/2003

Section 2 - Composition / Information On Ingredients

<u>CAS # OR NJ TRADE SECRET #</u>	<u>CHEMICAL NAME</u>	<u>WEIGHT % LESS THAN</u>
000111-40-0	DIETHYLENETRIAMINE	35.0
068610-56-0	MODIFIED ALIPHATIC AMINE	25.0
000080-05-7	BISPHENOL A	20.0
002855-13-2	ISOPHORONEDIAMINE	10.0
18275200000-5063	MODIFIED ALIPHATIC AMINES	10.0

Chemical Exposure Guidelines

<u>CAS# OR NJ TRADE SECRET #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
000111-40-0	1.0 PPM	1.0 PPM
068610-56-0		
000080-05-7		
002855-13-2		
18275200000-5063		

Section 3 - Hazards Identification

Emergency Overview: MAY BE HARMFUL IF SWALLOWED. CAUSES GASTROINTESTINAL IRRITATION AND POSSIBLY BURNS IF SWALLOWED. CAUSES SEVERE SKIN AND EYE IRRITATION OR BURNS. MAY CAUSE PERMANANT VISUAL IMPAIRMENT. SKIN AND EYE PROTECTION ARE MANDATORY. MAY CAUSE IRRITATION OF RESPIRATORY TRACT.

Potential Health Effects:

Eyes: CAUSES SEVERE EYE BURNS.

Skin: CAUSES SEVERE SKIN BURNS.

Ingestion: EXPECTED TO CAUSE BURNS TO THE GASTROINTESTINAL TRACT.

Inhalation: EXPECTED TO CAUSE BURNS TO THE RESPIRATORY TRACT.

Systemic: EXPOSURE TO SKIN MAY CAUSE SENSITIZATION.

* 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 #
001333-86-4

IARC
Possibly Carcinogenic

Section 4 - First Aid Measures

Eyes: FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 30 MINUTES. GET PROMPT MEDICAL ATTENTION.

Skin: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING. SEEK MEDICAL ATTENTION IMMEDIATELY. WASH THOROUGHLY AFTER HANDLING.

Ingestion: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER OR MILK IF AVAILABLE AND TRANSPORT TO MEDICAL FACILITY.

Inhalation: REMOVE TO FRESH AIR. CONSULT A PHYSICIAN.

Section 5 - Fire Fighting Measures

Flash Point: >223F / >106C
(CC ESTIMATED)

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

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Haz. Combustion Products: MAY PRODUCE HAZARDOUS FUMES OR HAZARDOUS DECOMPOSITION PRODUCTS.

Fire Fighting Instruction: COOL FIRE EXPOSED CONTAINERS WITH WATER.

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

Other Information: HEATING MAY CAUSE PRESSURE BUILD UP AND POSSIBLE RUPTURE OF THE CONTAINER.

Section 6 – Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: USE ADEQUATE PROTECTIVE EQUIPMENT. DIKE TO CONTAIN LARGE SPILLS. ADD DRY MATERIAL TO ABSORB SPILL. PICK UP AND CONTAINERIZE. FLUSH AREA WITH DILUTE (5%) ACETIC ACID. COLLECT RINSATE FOR DISPOSAL.

Section 7 - Handling And Storage

Handling: KEEP AWAY FROM HEAT, SPARKS, FLAMES AND ALL SOURCES OF IGNITION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPORS. USE ADEQUATE VENTILATION. GROUND & BOND CONTAINERS. USE EXPLOSION PROOF EQUIPMENT.

Storage: STORE IN A COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. FOLLOW ALL MSDS/LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTY BECAUSE IT MAY RETAIN RESIDUES.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: MECHANICAL VENTILATION AS APPROPRIATE.

Respiratory Protection: USE ONLY WITH VENTILATION TO KEEP LEVELS BELOW EXPOSURE GUIDELINES (Section II). USER SHOULD TEST AND MONITOR EXPOSURE LEVELS TO ENSURE ALL PERSONEL ARE BELOW GUIDELINES. IF NOT SURE, OR NOT ABLE TO MONITOR, USE MSHA/NIOSH APPROVED SUPPLIED AIR RESPIRATOR. FOLLOW ALL CURRENT OSHA REQUIREMENTS FOR RESPIRATOR USE.

Skin Protection: IMPERMEABLE GLOVES. NEOPRENE RUBBER GLOVES. CUFFED BUTYL RUBBER GLOVES. NITRILE RUBBER GLOVES. LATEX GLOVES.

Eye Protection: PROTECTIVE EYEWEAR SUCH AS SAFETY GLASSES, GOGGLES OR FULL FACE SHIELD AS ADEQUATE FOR THE APPLICATION.

Other Protective Equipment: IMPERVIOUS CLOTHING. SLICKER SUIT. RUBBER BOOTS. BUTYL OR LATEX PROTECTIVE CLOTHING.

Section 9 - Physical And Chemical Properties

Physical State:	LIQUID
Appearance:	AMBER
Odor:	AMMONIA
Vapor Pressure:	NOT DETERMINED
Vapor Density:	HEAVIER THAN AIR
Boiling Range:	None - None
Solubility in H ₂ O:	NEGLIGIBLE
Specific Gravity:	1.060
Viscosity:	N/A
pH:	NON-AQUEOUS

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Stability: STABLE

Conditions To Avoid: HEAT, SPARKS, OPEN FLAME

Incompatibility: NONE

Hazardous Decomposition Products: MAY PRODUCE HAZARDOUS FUMES OR DECOMPOSITION PRODUCTS. HEATING MAY CAUSE PRESSURE BUILD-UP AND POSSIBLE RUPTURE OF CONTAINER.

Hazardous Polymerization: WILL NOT OCCUR.

Section 11 - Toxicological Information

Skin/Dermal: NOT AVAILABLE

Oral/Ingestion: NOT AVAILABLE

Inhalation: NOT AVAILABLE

Section 12 - Ecological Information

Movement & Partitioning: NOT DETERMINED

Degradation & Transformation: NOT DETERMINED

Ecotoxicology: NOT DETERMINED

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
DOT Technical Name:	N/A
DOT Hazard Class:	8
Hazard Subclass:	NONE
DOT UN/NA Number:	UN3066
Packing Group:	III
Resp. Guide Page:	153

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:

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:

<u>CAS # OR NJ TRADE SECRET #</u>	<u>CHEMICAL NAME</u>
000080-05-7	BISPHENOL A

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:

<u>CAS # OR NJ TRADE SECRET #</u>	<u>CHEMICAL NAME</u>
000111-40-0	DIETHYLENETRIAMINE
000080-05-7	BISPHENOL A

Clean Air Act:

Coating Category:	INDUSTRIAL MAINTENANCE COATINGS
VOC Content Limit (g/l)*:	450
Product VOC Content (g/l)*:	20
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>
TS-152	NON HAZARDOUS INGREDIENTS

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>
TS-152	NON HAZARDOUS INGREDIENTS

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>
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

EXPORT NOTIFICATION: DIETHYLENETRIAMINE 111-40-0

HMIS Ratings:

Health: 3

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.