Material Safety Data Sheet

CHEMTREC Transportation Emergency Phone: 800-424-9300

Pittsburgh Poison Control Center Health Emergency No.: 412-681-6669

NOTE: The CHEMTREC Transportation Emergency Phone is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

Section 1 - Chemical Product / Company Information

Product Name: PLASITE 7122 V SERIES PART B

Identification Number: PLMSDS 361PB1NL

Product Use/Class: Epoxy Phenolic - FOR INDUSTRIAL USE ONLY

Revision Date: 05/24/2012

Supercedes : 07/15/2011

Preparer: Regulatory, Department

Manufacturer:
Carboline Company
2150 Schuetz Road
St. Louis, MO 63146
(800) 848-4645

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA-CEIL
KETIMINE OF DIETHYLENETRIAMINE	10595-60-5	95.0	N/E	N/E	N/E	N/E
DIETHYLENETRIAMINE	111-40-0	5.0	1 PPM	N/E	4 MGM3	N/E
METHYL ISOBUTYL KETONE	108-10-1	5.0	50 PPM	75 PPM	205 MGM3	N/E

Section 3 - Hazards Identification

Emergency Overview: Harmful if swallowed. Corrosive. Keep away from heat and sources of ignition. Combustible liquid. Severe respiratory irritant. Severe skin irritant. Severe eye irritant. May cause sensitization by skin contact. May cause sensitization by inhalation.

Effects Of Overexposure - Eye Contact: Causes eye burns. May cause blindness. Severe eye irritation

Effects Of Overexposure - Skin Contact: Causes skin burns

Effects Of Overexposure - Inhalation: Harmful if inhaled and may cause delayed lung injury. Inhalation of aerosol may cause irritation to the upper respiratory tract. Risk of serious damage to the lungs (by inhalation). May cause nose, throat, and lung irritation. Can cause severe eye, skin and respiratory tract burns. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.

Effects Of Overexposure - Ingestion: Harmful if swallowed. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Effects Of Overexposure - Chronic Hazards: Prolonged contact may result in chemical burns and permanent damage. May cause allergic skin reaction. May cause allergic respiratory reaction. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

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

Medical Conditions Prone to Aggravation by Exposure: If sensitized to amines, epoxies, or other chemicals do not use. See a physician if a medical condition exists. Asthma, Eye disease, Skin disorders and allergies, Liver disorders, Kidney disorders. If you have a condition that could be aggravated by exposure to dust or organic vapors, see a physician prior to use.

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.

First Aid - Skin Contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing. Take off contaminated clothing and shoes immediately. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

First Aid - Inhalation: If breathing has stopped or is labored, give assisted respirations (e.g. mouth to mouth). Supplemental oxygen may be indicated. Seek medical advice. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.

First Aid - Ingestion: If a person vomits when lying on his back, place him in the recovery position. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victims head to the side. Seek immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point, F: 134F (57C) (Setaflash)

Lower Explosive Limit, %: 1.2

Upper Explosive Limit, %: 8.0

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Unusual Fire And Explosion Hazards: May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire-fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Downward personnel must be evacuated. Burning produces obnoxious and toxic fumes. Combustible Liquid. Vapors are heavier than air and will accumulate. Vapors will form explosive concentrations with air. Vapors travel long distances and will flashback. Use mechanical ventilation when necessary to keep percent vapor below the "Lower Explosion Level" (LEL). Eliminate all ignition sources. Keep away from sparks, open flames and heat sources. All electric equipment and installations should be made and grounded in accordance with the National Electrical Code. In areas where explosion hazards exist, workers should be required to use non-ferrous tools and to wear conductive and non-sparking shoes.

Special Firefighting Procedures: Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear Self-contained breathing apperatus for fire fighting if necessary. Combustible. Cool fire-exposed containers using water spray.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Evacuate the area of unprotected personnel. Wear appropriate personal protection clothing and equipment. Follow exposure controls/personal protection guidelines in Section 8. Contain and soak up residual with an aborbent (clay or sand). Take up absorbant material and seal tightly for proper disposal. Dispose of in accordance with local, state and federal regulations. Refer to Section 15 for SARA Title III and CERCLA information.

Section 7 - Handling And Storage

Handling: Do not get in eyes, on skin, or on clothing. Keep container tightly closed when not in use. Wear personal protection equipment. Do not breathe vapors. Wash thoroughly after handling. If pouring or transferring materials, ground all containers and tools. Do not weld, heat, cut or drill on full or empty containers. Use only in accordance with Carboline application instructions, container label and Product Data Sheet.

Storage: Keep away from heat, sparks, open flames and oxidizing agents. Keep containers closed. Store in a cool, dry place with adequate ventilation.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use explosion-proof ventilation when required to keep below health exposure guidelines and Lower Explosion Limit (LEL).

Respiratory Protection: Use only with ventilation to keep levels below exposure guidelines listed in Section 2. User should test and monitor exposure levels to ensure all personnel 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. For silica containing coatings in a liquid state, and/or if no exposure limits are established in Section 2 above, supplied air respirators are generally not required.

Skin Protection: Recommend impervious gloves and clothing to avoid skin contact. If material penetrates to skin, change gloves and clothing. The use of protective creams may be beneficial to certain individuals. Protective creams should be applied before exposure.

Eye Protection: Use full face shield with goggles underneath. Chemical resistant goggles must be worn.

Other protective equipment: Eye wash and safety showers should be readily available.

Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Use of a hand cleaner is recommended. Launder contaminated clothing before reuse. Leather shoes can absorb and allow hazardous materials to pass through. Check shoes carefully after soaking before reuse.

Section 9 - Physical And Chemical Properties

Boiling Range:	237 F (114 C) - 404 F (207 C)	**Vapor Density:**	Heavier than Air
Odor:	Irritating	**Odor Threshold:**	N/D
Appearance:	Viscous Amber Liquid	**Evaporation Rate:**	Slower Than Ether
Solubility in H2O:	Slightly Soluble		
Freeze Point:	N/D	**Specific Gravity:**	0.876
Vapor Pressure:	<10.34 mmHg at 70F (21C)	**PH:**	Alkaline

Physical State: Liquid

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Heat, sparks and open flames.

Incompatibility: Keep away from strong oxidizing agents, heat and open flames. Avoid contact with the following materials: Sodium Hypochlorite, Organic acids, Mineral acids, Oxidizing agents. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide, possibly creating an explosion.

Hazardous Decomposition Products: Nitric acid, Ammonia, Nitrogen Oxides, Carbon Monoxide, Carbon Dioxide, Nitrosamine

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: N/D

Product LC50: N/D

Chemical Name	CAS Number	LD50	LC50
KETIMINE OF DIETHYLENETRIAMINE	10595-60-5	1590 MG/KG, ORAL, RAT estimated	NOT AVAILABLE
DIETHYLENETRIAMINE	111-40-0	1080 MG/KG, ORAL ,RAT	>10 MG/L / 1 HOUR, INH, RAT
METHYL ISOBUTYL KETONE	108-10-1	>2000 MG/KG, ORAL, RAT	>5000 PPM/ 1 HOUR, RAT

Section 12 - Ecological Information

Ecological Information: No data

Section 13 - Disposal Information

Disposal Information: Dispose of in accordance with State, Local, and Federal Environmental regulations. Responsibility for proper waste disposal is with the owner of the waste.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Paint, Corrosive, Flammable	**Packing Group:**	II
DOT Technical Name:	N/A	**Hazard Subclass:**	3
DOT Hazard Class:	8	**Resp. Guide Page:**	132
DOT UN/NA Number:	UN 3470		

Additional Notes: None.

Section 15 - Regulatory Information

CERCLA - SARA HAZARD CATEGORY

This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311and 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, FIRE 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:

Chemical Name	CAS Number
METHYL ISOBUTYL KETONE	108-10-1

TOXIC SUBSTANCES CONTROL ACT

All components of this product are listed on the TSCA inventory.

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

No TSCA 12(B) Substances exist in this product

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.

PENNSYLVANIA RIGHT-TO-KNOW

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

CALIFORNIA PROPOSITION 65

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

Chemical Name	CAS Number
METHYL ISOBUTYL KETONE	108-10-1

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

No California Proposition 65 Reproductive Toxins exist

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: B3, D2A , D2B, E

Section 16 - Other Information

HMIS Ratings
Health: 2 **Flammability:** 3 **Reactivity:** 1 **Personal Protection:** X

VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED): 212

REASON FOR REVISION: New Product

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

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