

Zebtron #386

MATERIAL SAFETY DATA SHEET

Emergency Phone Number (800) 424-9300
International Emergency Number (703) 527-3887
(International will accept collect calls)
Information Phone Number (714) 632-6690

Prepared 07/07/1997

SECTION 1 – PRODUCT INFORMATION

Trade name: ZEBRON

Product-Class: Zebtron #386 Cream Base

SECTION 2 – HAZARDOUS INGREDIENTS

Hazardous Ingredients	Cas. No.	TLV	PEL	UNITS	Vapor Pres. mmHg/F
Titanium Dioxide	13463677	10.	NA	mg/N3	NA
Silicon Dioxide	14808607	6.	NA	mg/N3	NA
4,4'-Methylene-Bis (2-Chloroaniline)	00101144	.02	.02	ppm*	NA

*TOXIC EFFECTS CAN OCCUR BY INGESTION

SECTION 3 – FIRE AND EXPLOSION HAZARDS DATA

Boiling Range: 999F

Vapor is heavier than air.

Evaporation rate is slower than ether. % Volatile (vol)

wt/gal 11.07

SECTION 4 – FIRE AND EXPLOSION HAZARDS DATA

FP) 200 F LEL NA %Flammability Class (OSHA): COMBUSTABLE LIQUID – 38

Extinguishing Media: Foam, Carbon dioxide or dry chemical.

UNUSUAL FIRE AND EXPLOSION HAZARD: During emergency conditions, overexposure to decomposition products (See section 6 – Reactivity Data) may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Keep containers tightly closed. Isolate from heat, spark and open flame. Closed containers may explode when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES: Water maybe effective in fighting fire. If water is used to cool closed containers to prevent pressure build-up, fog-nozzles are preferred. Full protective equipment, including self-contained breathing apparatus is needed to protect fire fighters from exposure to coating's hazardous ingredients and hazardous combustion products.

SECTION 5 – HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: MAY BE FATAL IN INHALED. CAUSES IRRITATION.

CHRONIC HEALTH HAZARD: Caution: Contains 4,4'-Methylene Bis (2-chloroaniline) that has been shown to cause cancer in laboratory animals by ingestion.

EMERGENCY AND FIRST AID PROCEDURES: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; inhalation of vapor or spray mist, remove to fresh air. If swallowed get medical attention.

SECTION 6 – REACTIVITY DATA

MATERIAL IS STABLE UNDER NON-EMERGENCY CONDITIONS.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: oxides of carbon, acroleins, toxic fumes, oxides of nitrogen, butyltins.

CONDITIONS TO AVOID: Heat, open flame

MATERIALS TO AVOID: Oxidizers, water, acids.

SECTION 7 – SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED. Remove all sources of ignition. Wear appropriate safety equipment as listed in section 8; assume for all Hazardous Ingredients listed in section 2, that TLV, PEL and LEL limits will be exceeded. Absorb on inert material and dispose of as below.

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State and local regulations.

SECTION – 8 SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved): during and after application unless air monitoring demonstrates vapor/mist levels are below application limits. Follow respirator manufacturer's directions for respirator use.

VENTILATION: Sufficient ventilation must be provided to maintain airborne concentrations below TLV, PEL and LEL limits, as listed Section II.

PROTECTIVE GLOVES: Protective gloves should be worn when handling this product. Check with glove manufacturer to determine proper glove type.

EYE PROTECTION: Full-face protection should be worn.

OTHER PROTECTIVE EQUIPMENT: Eye bath and safety shower should be provided. Wear full protective equipment, which includes protective suit and boots.

HYGIENIC PRACTICES: Good personal hygiene practices are required at all times when handling chemicals. These practices include, but are not limited to washing when safety equipment is removed, at the end of each shift or when going on breaks and especially if contamination occurs.

SECTION 9 – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep containers closed when not in use. Store away from ignition sources. Store in well ventilated area. Store in a clean, dry area.

OTHER PRECAUTIONS: Empty container may retain product residues (vapor or liquid). All precautions must be observed.

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