



MATERIAL SAFETY DATA SHEET

HMIS CODE: H = 2 F = 3 R = 0 P = G

SECTION 1 - MANUFACTURER IDENTIFICATION

Product Name: Red Crystal Pearl Single Stage Polyurethane
Product Code: ZT-P105
Product Use Description: Single Stage Topcoat
Distributed by: Zolatone AIM
Division of Advanced Refinish Technologies
850 Ladd Road, Building E
Walled Lake, Michigan 48390

Emergency Telephone: (Chemtrec) (800) 424-9300
Information Telephone: (800) 810-2785
Preparer: MSDS Coordinator
MSDS Preparation Date: October 8, 2009
MSDS Version: 0 (Zero)

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

<u>Hazardous Ingredient</u>	<u>CAS Number</u>	<u>Vapor Pressure @ 68° F</u>	<u>Weight Percent</u>
*XYLENE OSHA PEL = 100 ppm ACGIH TLV = 100 ppm	1330-20-7	6.0 mm Hg	13
*ETHYL BENZENE OSHA PEL = 100 ppm ACGIH TLV = 100 ppm	100-41-4	75.0 mm Hg	3

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Hazardous Ingredient	CAS Number	Vapor Pressure @ 68° F	Weight Percent
AROMATIC HYDROCARBON SOLVENT OSHA PEL = 100 ppm ACGIH TLV = 100 ppm	64742-95-6	2.0 mm Hg	5
*1,2,4-TRIMETHYL BENZENE OSHA PEL = 25 ppm ACGIH TLV = 25 ppm	95-63-6	N/A	3
BARIUM SULFATE OSHA PEL = 10 mg/m ³ ACGIH TLV = 10 mg/m ³	7727-43-7	N/A	10
METHYL n-AMYL KETONE OSHA PEL = 100 ppm ACGIH TLV = 50 ppm	110-43-0	2.14 mm Hg	5
n-BUTYL ACETATE OSHA PEL = 150 ppm ACGIH TLV = 150 ppm	123-86-4	8.4 mm Hg	10

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 255°F

APPEARANCE & ODOR: Typical paint solvent odor

VAPOR DENSITY: Heavier than air

SPECIFIC GRAVITY (H₂O = 1): 1.1

REGULATORY VOC: 3.45

EVAPORATION RATE: Slower than ether

MATERIAL VOC: 3.45

SOLUBILITY IN WATER: Negligible



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SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT: 80°F

METHOD USED: Seta flash

FLAMMABLE LIMITS IN AIR BY VOLUME

LOWER: 0.9%

UPPER: 7.9%

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool containers to prevent a pressure build-up.

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO₂, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES:

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Keep containers tightly closed. Isolate from heat, sparks and open flames.

SECTION V - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: High temperatures

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: May produce hazardous fumes when heated to decomposition as in welding.

HAZARDOUS POLYMERIZATION: Will not occur.



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SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Anesthetic, excessive inhalation can cause irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness, coma and even asphyxiation.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin: Moderate irritation, defatting, dermatitis. May be a sensitizer in some individuals.

Eyes: Severe irritation, redness, tearing, blurred vision. May be a sensitizer in some individuals.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Liquid can be absorbed through the skin resulting in symptoms similar to inhalation effects above.

CARCINOGENICITY

NTP: No **IARC MONOGRAPH:** No **OSHA REGULATED:** No

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly even death.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS GENERALLY AGGRAVATE BY EXPOSURE

Exposure to petroleum solvents may aggravate preexisting dermatitis.



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SECTION VI - HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES

Skin: Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if needed.

Eyes: Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment.

Ingestion: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Get medical help immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition (flame, hot surfaces, electrical, static or frictional sparks). Avoid breathing vapors. Ventilate the area. Contain and remove with inert absorbent and non-sparking tools.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Do not store above 120° F. Store large quantities only in buildings designed to comply with OSHA 1910.106. Keep closures tight and the container upright to prevent leakage. Do not store or use near heat, sparks or flame. Never use pressure to empty. A drum must not be washed out or used for other purposes. Drums of this material should be grounded when pouring.

WASTE DISPOSAL METHOD

Dispose of in accordance with local, state and federal regulations. Incinerate in approved facility only. Do not incinerate a closed container.

OTHER PRECAUTIONS

Do not get in eyes. Avoid skin contact. Can cause allergic respiratory reaction. Can cause allergic skin reaction. Prevent prolonged or repeated breathing of vapors or spray mist. Avoid breathing of sanding dust. Wash contaminated clothing thoroughly. Wash skin thoroughly with soap and water after handling. Close the container after each use. Do not transfer this product to unlabeled containers. Do not handle until the manufacturer's safety precautions have been read and understood. Keep out of reach of children.



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SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

Use NIOSH-approved respirator to prevent overexposure, when exposure exceeds occupational exposure limits (SECTION II). Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors in compliance with 29 CFR 1910.134, with provision for mist removal if conditions so indicate.

VENTILATION

All application areas should be ventilated in accordance with OSHA regulation 29 CFR 1910.94, 1910.107, 1910.108. Remove decomposition products formed during welding or flame cutting on surfaces coated with this product. If baking, vent fumes.

PROTECTIVE GLOVES

Recommended.

EYE PROTECTION

Safety eye wear including splash guards or side shields recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Use protective outer wear and prevent prolonged skin contact with contaminated clothing.

WORK/HYGIENIC PRACTICES

Avoid breathing vapors and contact with skin. Wash skin thoroughly before breaks and meals and at the end of work periods.

SECTION IX - DISCLAIMER

The information contained in this material safety data sheet is information from our suppliers and other sources. The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with another material or in any process. This data is not to be taken as a warranty or representation for which this company assumes legal responsibility.