

Material Safety Data Sheet

SECTION 1- Chemical Product and Company Identification

PRODUCT NAME: Crystal Seal
IDENTIFICATION NUMBER: Crystal Seal
PRODUCT USE/CLASS:

DATE PRINTED: 3/1/2007

SUPPLIER:
Marine Industrial Paint Co., Inc.
4590 60th Ave North.
St. Petersburg, Fl. 33714

MANUFACURER:
Marine Industrial Paint Co., Inc.
4590 60th Ave North.
St. Petersburg, Fl. 33714

EMERGENCY TELEPPHONE:
727-527-3382 8 A.M. - 5 P.M.

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PREPARER : Steven C Halliday **PHONE:** 727-527-3382 **PREPARE DATE:** 3/1/2007

SECTION 2 – Composition and Information on Ingredients

<u>ITEM</u>	<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WT/WT %</u>
01	Trimethylpentanediol – 1,3 Monoisobutyrate	25265-77-4	5.0%
02	Dipropylene glycol n- proply ether	29911-27-1	5.0%

EXPOSURE LIMITS

<u>ITEM</u>	<u>ACGIH</u>		<u>OSHA</u>		<u>COMPANY</u>	
	<u>TLV-TWA</u>	<u>TLV-STEL</u>	<u>PEL-TWA</u>	<u>PEL-CEILING</u>	<u>TLV-TWA</u>	<u>SKIN</u>
01	NO INFO	NO INFO				YES
02	N.E.	N.E.	N.E.			NO

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

SECTION 3- Hazards Identification

* **EMERGENCY OVERVIEW** *: Aspiration hazard if swallowed. Can enter lungs and cause damage

EFFECTS OF OVEREXPOSURE - EYE CONTACT: This material may cause mild eye irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing or redness.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: This material may cause mild skin irritation. Prolonged or repeated contact may cause redness, burning, drying, and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

EFFECTS OF OVEREXPOSURE – INHALATION: This material is expected to have a low degree of toxicity by inhalation. Breathing high concentrations of vapors may cause irritation of the nose and throat and signs of nervous system depression. Respiratory symptoms associated with pre-existing lung disorders may be aggravated by exposure to this material.

EFFECTS OF OVEREXPOSURE – INGESTION: Ingestion of excessive amounts may cause irritation of the digestive tract and signs of nervous system depression. **ASPIRATION HAZARD!** This material can enter the lungs during swallowing or vomiting causing lung inflammation and damage.

EFFECTS OF OVEREXPOSURE – CHRONIC HAZARDS: No information.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT

SECTION 4 – First Aid Measures

FIRST AID - EYE CONTACT: If irritation and or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist seek medical attention. For direct contact hold eyelids apart and flush with clean water for at least 15 minutes.

FIRST AID – SKIN CONTACT: Remove contaminated clothing and shoes and flush affected area with large amounts of water. If skin is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged cleanse thoroughly with mild soap and water. If redness or irritation develops seek medical attention. (Continued on page 3)

SECTION 4 – First Aid Measures contd.

FIRST AID – INHALATION: If respiratory symptoms or other symptoms of exposure develop, move victim away from the source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, immediately start artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

FIRST AID – INGESTION. This material is a potential aspiration hazard. DO NOT INDUCE VOMITTING. If swallowed seek emergency medical attention. If victim is drowsy or unconscious, place on left side with head down. If possible, do not leave the victim unattended.

SECTION 5 – Fire Fighting Measures

FLASH POINT: N.A.

LOWER EXPLOSIVE LIMIT: 0.6%

UPPER EXPLOSIVE LIMIT: 4.2%

AUTOIGNITION TEMPERATURE:

EXTINGUISHING MEDIA: FOAM / DRY CHEMICAL / CO2 / WATER FOG / ALCOHOL FOAM

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: No Information.

SPECIAL FIREFIGHTING PROCEDURES: Wear appropriate protective equipment including respiratory protection as conditions warrant. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flames.

SECTION 6 – Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with an inert absorbent material, then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Immediate cleanup of any spill is recommended.

SECTION 7 – Handling and Storage

HANDLING: Wash thoroughly after handling.

STORAGE: Use and store this material in a cool, dry, well ventilated area away from heat and all sources of ignition. Keep containers closed when not in use. Store only in approved containers. Protect containers against physical damage.

SECTION 8 – Exposure Controls / Personal Protection

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Use explosion proof ventilation equipment. Facilities storing or utilizing this product should be equipped with an eyewash facility and a safety shower.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirators use.

SKIN PROTECTION: The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: No Information.

HYGENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin and clothing.

SECTION 9 – Physical and Chemical Properties

BOILING RANGE: 414-472 F

ODOR: Slight amine

APPEARANCE: Milky liquid

SOLUBILITY IN H2O: Yes

FREEZE POINT: 32 F.

VAPOR PRESSURE: 24mmHg

PHYSICAL STATE: Liquid

VAPOR DENSITY: Is heavier than air

ODOR THRESHOLD:

EVAPORATION RATE: Is slower than Ether

SPECIFIC GRAVITY: 1.00154

Ph @ 0.0 %:

VISCOSITY:

COEFFICIENT OF WATER / OIL DISTRIBUTION:

SECTION 10 – Stability and Reactivity

CONDITIONS TO AVOID: No Information.

INCOMPATIBILITY: This product is incompatible with strong acids or bases, oxidizing agents and selected amines. (Continued on page 5)

SECTION 10 – Stability and Reactivity contd.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may yield carbon dioxide and/or carbon monoxide. Do not breathe smoke or fumes. Wear appropriate protective equipment.

HARZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11- Toxicological Properties

NO PRODUCT OR COMPONENT TOXOCOLOGICAL INFORMATION IS AVAILABLE.

SECTION 12 – Ecological Information

NO ECOLOGICAL INFORMATION

SECTION 13 – Disposal Considerations

DISPOSAL METHOD: Dispose of product in accordance with local, county, state and federal regulations.

SECTION 14 – Transportation Information

NO TRANSPORTATION INFORMATION IS AVAILABLE

SECTION 15 – Regulatory Information

US FEDERAL REGULATIONS - AS FOLLOWS:

OSHA - Hazardous by definition of Hazard communication Standard (29 CFR 1910.1200)

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:

FIRE HAZARD

(Continued on page 6)

Identification Number: Crystal Seal

Preparation Date: 03/01/07

SECTION 15 – Regulatory Information contd.

SARA SECTION 313: This product contains the following substances subject to the reporting Requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WT/WT % IS LESS THAN</u>
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No SARA Section 313 Components exist in this product.

U.S. STATE REGULATIONS – AS FOLLOWS:

CALIFORNIA PROPOSITION 65:

WARNING: The chemical (s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WT/WT % IS LESS THAN</u>
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No Proposition 65 chemicals exist in this product.

INTERNATIONAL REGULATIONS – AS FOLLOWS:

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHIM CLASS: NO INFORMATION AVAILABLE

SECTION 16 – Other Information

HMIS RATINGS – HEALTH: 2 FLAMMABILITY:0 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 01/20/05

VOLITILE ORGANIC COMPOUNDS (VOCS): 3.00 LBS/GAL, 359 GRAMS/LTR

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.

