

# MATERIAL SAFETY DATA SHEET

**IDENTITY:** TSF-45 **Date of Preparation:** 10/1/2004

## SECTION I - Material and Manufacturer Identification

**Manufacturer's Name & Address**  
Coastal Enterprises Company  
P.O. Box 4875  
Orange, CA 92863-4875

**Emergency Telephone Numbers:**  
Transportation Emergencies:  
Call CHEMTREC (800) 424-9300 (202) 483-7616  
(Collect) from Alaska & Hawaii

Health Emergencies: Call LOS ANGELES POISON  
INFORMATION CENTER (24 hrs.) (800) 356-3129

**For Information:**  
(800) 845-0745

**Product Name:** TSF-45

**DOT Proper Shipping Name:** Water Based Coating

**DOT Hazard Classification:** Non-Hazardous

## SECTION II - Composition / Information on Ingredients

<b>PRODUCT COMPOSITION:</b>	<b>APPROX. WGT.%</b>	<b>ACGIH TVL</b>		<b>OSHA PEL</b>		<b>UNITS</b>
<b>A. HAZARDOUS</b>		<b>TWA</b>	<b>STEL</b>	<b>TWA</b>	<b>STEL</b>	
Aqua Ammonia Cas # 1336-21-6	.01%	25b	35b	none	35b	ppm
<b>B. NON-HAZARDOUS</b>						
Water Cas # 7732-18-5	20-50%	NA	NA	NA		NA
Acrylic polymers Cas # Proprietary	40-60%	NA	NA	NA		NA
Calcium Carbonate Cas # 1317-65-3	20-40%	NA	NA	NA		NA

## SECTION III - Physical / Chemical Characteristics

**Emergency Overview:** This section not in use.

**Potential Health Effects:** None

**Ingestion:** None known

**Skin Contact:** Prolonged or repeated contact may cause mild skin irritation.

**Inhalation:** May cause headache, nausea, irritation of nose, throat, and lungs.

**Eye Contact:** May irritate eyes.

**Medical Conditions Aggravated:** None known

**Subchronic (target organs) Effects:** None known

**Chronic Effects/Carcinogenicity:** This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IRAC, or OSHA.

**Products / Ingredients:** This space reserved for special use.

**Principle Routes of Exposure:** Skin / Eye Contact / Inhalation

**Other:** None known

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## SECTION IV - First Aid Measures

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**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and get medical attention. Never give anything by mouth to an unconscious person.

**Skin:** Wash with soap and warm water. Consult a physician if irritation persists.

**Inhalation:** Move subject to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

**Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**Note to Physician:** None known

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## SECTION V - Fire Fighting Measures

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**Flash Point:** Non-combustible wet. Will burn only after water is driven off. > 300° F

**Method:** PMCC

**Ignition Temp:** Not Applicable

**Flammable Limits in Air Lower:** None (water)

**Flammable Limits in Air Upper:** None (water)

**Sensitivity to Mechanical Impact:** (Y/N) No

**Sensitivity to Static Discharge:** Not expected

**Extinguishing Media:** All standard fire fighting media. Water, fog, foam, or dry chemical.

**Special Fire Fighting Procedures:** Fire fighters should wear breathing apparatus.

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## SECTION VI - Accidental Release Measures

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**Action to be Taken If Material is Released or Spilled:** Soak up with an inert material and put in a container for disposal. Wash walking surfaces with soap and warm water to reduce slipping hazard. This material is not regulated under RCRA or CERLA (Superfund). Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

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## SECTION VII - Precautions For Safe Handling and Use

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**Precautions to be Taken in Handling and Storage:** Avoid contact with eyes.

**Protect From Freezing**

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## SECTION VIII - Control Measures

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**Engineering Controls:** None

**Respiratory Protection:** Use a NIOSH/MSHA approved respirator as necessary. Observe OSHA regulations.

**Protective Gloves:** Yes.

**Eye and Face Protection:** Safety glasses.

**Other Protective Equipment:** None under normal conditions.

**Ventilation:** Use in a well-ventilated area.

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## SECTION IX - Physical and Chemical Properties

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**Product Information:**  
**Boiling Point:** 100°C/212°F  
**Vapor Pressure:** NA  
**Vapor Density:** NA

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## SECTION X - Stability and Reactivity

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**Stability:** Stable  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Thermal Decomposition/Combustion Products:** CO, CO2, NOX acrylic monomers.  
**Incompatibility:** Metal salts will coagulate this product.  
**Conditions to Avoid:** Excessive heat wet.

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## SECTION XI - Toxicological Information

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**Product Information:**  
**Acute Oral LD50 (MG/KG):** RAT> 5000 MG/KG  
**Acute Inhalation LC50 (MG/KG):** Rabbit> 5000 mg/kg  
**Acute Inhalation LC50 (MG/L):** None found.  
**Other:** Non-irritating to skin (rbt), minimally irritating to eye (rbt).  
**Ames Test:** Unknown

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## SECTION XII - Ecological Information

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No data at this time.

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## SECTION XIII - Disposal Information

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**Disposal Method:** Disposal should be made in accordance with federal, state and local regulations.

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## SECTION XIV - Transportation Information

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No Regulations.

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## SECTION XV - Regulatory Information

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No chemicals in this product are regulated at the amounts used.

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29 CFR) **SARA TITLE 3: Section 311/312 Categorizations (40 CFR 370)** This product is not a hazardous chemical under 29 CFR 1910.1200, and therefore is not covered by Title III of **SARA**.

This product is not hazardous according to the OSHA Communication Standard. This product contains one or more chemicals known to the State of California to cause cancer.

**SARA TITLE 3: Section 313 Information (40 CFR 372).** This product does not contain a chemical which is listed in section 312 at or above the minimum concentrations.

**CERLA Information (40 CFR 302.4):** Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or state and local emergency planning committees under the Superfund Amendments and Re-authorizations Act (SARA) Title III Section 304.

**Waste Classification:** When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC) however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

**United States:** All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**Pennsylvania:** Any material listed as Non-Hazardous in the CAS REG NO. Column of Section 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-To-Know Act.

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## SECTION XVI - Additional Information

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This product contains the following substance(s) identified by OSHA, WHMIS, or the ACGIH as hazardous. During normal use, the material will not present an exposure risk. Once the product has reached its final state and is sanded or abraded, dust may occur.

5-10% Calcium Carbonate (1417-65-3)  
Exposure limit total dust 15/mg/m<sup>3</sup> (OSHA) 10 mg/m<sup>3</sup> (ACGIH)  
Exposure limit respirable dust 5 mg/m<sup>3</sup> (ACGIH)  
LD50: No data found LC50: No data found.

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The information contained herein is based on data believed by Coastal Enterprises Company to be accurate, but we do not assume any liability for the accuracy of this information. We neither suggest nor guarantee that any hazards mentioned are the only ones which exist. Anyone intending to rely on any recommendation or to use any equipment technique or material mentioned should also satisfy himself that he could meet all applicable safety and health standards. Determination of the suitability of any information or product for the use contemplated by any user, the manner of that use and whether there is any infringement of patents, is the sole responsibility of the user.

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