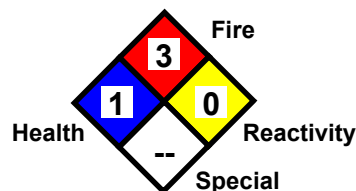


# MATERIAL SAFETY DATA SHEET



**Issue Date: 9/07**

**Supersedes: 1/05**

**NFPA 704 DESIGNATION HAZARD RATING**  
 4 = Extreme      3 = High      2 = Moderate  
 1 = Slight      0 = Insignificant

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identity: **Sealoflex CT Top™**  
**Sealoflex CT Pond Grade™**  
 Product Use: **Thermoplastic Rubber Waterproofing System**  
 Manufactured By: **Sealoflex® Inc.**  
**2520 Oscar Johnson Drive** **Chemtrec**  
**Charleston, SC 29405** **800-424-9300**  
**PHONE: 843 554-6466 FAX: 843 554-6458**

## 2. COMPOSITION & INFORMATION ON INGREDIENTS

Component	% weight	CAS #
<b>Styrene Copolymer</b>	<b>14.0 – 22.0</b>	<b>Proprietary</b>
<b>Aliphatic Petroleum Distillates</b>	<b>40.0 – 45.0</b>	<b>64742-89-8</b>
<b>Pigments, Fillers &amp; Extenders</b>	<b>38.0 – 40.0</b>	<b>N.A.</b>
<b>Additives</b>	<b>&lt;1.0</b>	<b>N.A.</b>

## 3. HAZARD IDENTIFICATION

EXPOSURE LIMITS (IF APPLICABLE):

COMPONENT	ACGIH	OSHA
<b>NAPHTHA</b>	<b>300ppm TWA</b>	<b>300ppm TWA, 400ppm STEL</b>
<b>BENZENE</b>	<b>0.5ppm TWA, 2.5ppm STEL</b>	<b>1ppm TWA, 5ppm STEL, Action Level .5ppm</b>

POTENTIAL HEALTH EFFECTS: **FLAMMABLE** Electrostatic charge may accumulate and create a hazardous condition when handling or applying this material. Use approved bonding and grounding procedures.

PRIMARY ROUTES OF ENTRY: **Eye**  
**Skin**  
**Inhalation**

EYE CONTACT: **Risk of serious damage to eyes. May cause permanent damage if eye is not immediately irrigated. Symptoms include stinging, tearing, and redness.**

SKIN CONTACT: **Repeated or prolonged exposure may induce skin irritation. Symptoms may include redness, burning, drying and cracking of skin, and chemical burns.**

INGESTION: **Ingestion will cause moderate to severe irritation or chemical burns to the gastrointestinal tract. Injury may be severe and cause death. Acute oral toxicity is LD<sub>50</sub> 3038 mg/Kg.**

INHALATION: **Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may cause chemical pneumonia. Symptoms usually occur at air concentrations higher than the recommended exposure limits.**

## 4. FIRST AID MEASURES

EYE CONTACT: **If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.**

SKIN CONTACT: **Immediately flush skin with plenty of clean running water while removing contaminated clothing. Continue for at least 15 minutes. If symptoms persist, seek medical attention. Launder clothing before reuse.**

INHALATION: **If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet and seek medical attention.**

INGESTION: **DO NOT induce vomiting. Seek immediate medical attention. Place individual on the left side with the head down. Refer to medical personnel or take direction from a physician or poison control center. Never give anything by mouth to an unconscious person.**

**5. FIRE FIGHTING MEASURES**

**GENERAL:** This is a flammable product. Increased temperature may increase pressure in closed containers resulting in rupture, spreading fire and increasing risk of injury.

**FLASHPOINT AND METHOD:** 50°F (10°C) Tag closed cup  
**FLAMMABLE LIMITS (NAPHTHA)** Lower: 0.9% Upper: 7.0%  
**AUTOIGNITION TEMPERATURE:** 450°F (232°C)  
**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and nitrogen, various hydrocarbons.  
**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, dry chemical  
**FIRE FIGHTING INSTRUCTIONS:** Wear self-contained breathing apparatus with full facepiece and protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Electrostatic charge may accumulate and create a hazardous condition when handling and applying this material. To minimize this hazard, use approved bonding and grounding procedures. Review all operations which have the potential of generating an accumulation of electrostatic charge and/or a flammable atmosphere. Consult NFPA code.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Eliminate all ignition sources (flares, flames, pilot lights, electrical sparks). Wearing recommended protective clothing, dike spill using soil, sand or compatible commercial absorbent. Pick up bulk of product using pumps or vacuum truck or absorb product in sand or commercial absorbent. Place in chemical waste containers for recovery or disposal.

**LARGE SPILL:** Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from the spill area until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If run-off occurs, notify authorities as required. Pump or vacuum-transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent soil and other material to containers for disposal. Ensure that all local, State and Federal regulations are complied with for release reporting, recovery and disposal of material and containers.

**7. HANDLING AND STORAGE**

**STORAGE TEMPERATURE:** 40 - 90°F (4 - 32°C)

**STORAGE:** Keep container tightly closed. Store in a cool well ventilated area away from heat, sources of ignition and strong oxidizing agents.

**HANDLING:** Open in a well ventilated area. Avoid breathing vapors. Prevent skin and eye contact. Empty containers should be disposed of according to local regulations. Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, use approved bonding and grounding procedures.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**CONTROL MEASURES:** Minimize exposure below the ACGIH and OSHA limits for naphtha and benzene listed in Section 3 Hazard Identification.

**RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORY:** If the workplace exposure limits in Section 3 are exceeded, a NIOSH/MSHA approved respirator is advised in the absence of adequate environmental control.

**EYES:** Safety glasses or chemical splash goggles.

**SKIN:** Rubber or Neoprene gloves.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Various Colors Viscous Liquid	Bulk Density	No Data
Odor	Aliphatic	Vapor Pressure	>10 mm/Hg @ 68°F (20°C)
Odor Threshold	Not Applicable	Vapor Density	Heavier than Air
Molecular Formula	No Data	Evaporation Rate (n-Butyl Acetate=1)	>1
Molecular Weight	No Data	VOC content	<50%, <500 grams/liter
Boiling Point	>250°F (157°C)	% Volatiles	<50%
Freezing Point	Not Applicable	Solubility in Water	Not Soluble
Specific Gravity	1.07 - 1.09	Viscosity (cps)	3000 - 5000
Density (lbs/gal)	8.9 - 9.1	pH	Not Applicable

**10. STABILITY & REACTIVITY**

GENERAL: This product is stable under normal conditions.  
 CONDITIONS TO AVOID: Sources of ignition and heat.  
 INCOMPATIBLE MATERIAL: Avoid strong oxidizing agents.  
 HAZARDOUS POLYMERIZATION: Will not occur.  
 HAZARDOUS DECOMPOSITION PRODUCTS: May form oxides of carbon, various hydrocarbons.

**11. TOXICOLOGICAL INFORMATION**

ACUTE ORAL TOXICITY			
	<b>Naphtha</b>	<b>LD50 Rat:</b>	<b>8,000mg/kg</b>
ACUTE DERMAL TOXICITY			
	<b>Naphtha</b>	<b>LD50 Rat:</b>	<b>4,000mg/kg</b>
ACUTE INHALATION TOXICITY			
	<b>Naphtha</b>	<b>LD50 Rat:</b>	<b>3,400ppm</b>

**12. ECOLOGICAL INFORMATION**

There is no data available for this material.

**13. DISPOSAL CONSIDERATIONS**

RCRA 40 CFR 261 CLASSIFICATION: Exhibits the characteristic of ignitability, toxicity for trace benzene.  
 U.S. EPA WASTE NUMBER/DESCRIPTION: D001, D018  
 DISPOSAL METHOD: Incinerate in an approved facility. Do not incinerate closed containers. Dilute with clean, low viscosity fuel. Untreated material should not be released to the environment.  
 CONTAINER DISPOSAL: Empty container retains potentially hazardous residue. Observe all hazard precautions. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

**14. TRANSPORTATION INFORMATION**

DOT INFORMATION – 49 CFR 172.101  
 DESCRIPTION: **Flammable Liquid, N.O.S., 3, UN1993, II**  
 CONTAINER MODE: **One and five-gallon metal pails**  
 NOS COMPONENT: **Petroleum Distillates**

**15. REGULATORY INFORMATION**

WORKPLACE CLASSIFICATION:  
 This material is considered hazardous, flammable, under OSHA Communication Standard 29CFR1910.1200.  
 This material is a “controlled product under the Canadian Workplace Hazardous Materials Information System (WHIMS).  
 SARA TITLE III: SECTION 311/312 (40CFR370)  
 This material is a hazardous chemical, flammable, under 29CFR1910.1200 and is therefore covered by Title III of SARA.  
 SARA TITLE III: SECTION 313 (40CFR372)  
 This material does not contain a chemical listed in Section 313 at or above the de minimis concentrations.  
 CERCLA (40CFR302.4)  
 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 to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.  
 U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA)  
 All components of this material are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.  
 CALIFORNIA (PROPOSITION 65)  
 This product contains trace levels of a component or components known to the state of California to cause cancer:

COMPONENT	CAS NUMBER
<b>Benzene</b>	<b>71-43-2</b>

**16. OTHER INFORMATION**

HMIS HAZARD RATING	HEALTH <b>1</b>	FIRE <b>3</b>	REACTIVITY <b>0</b>	PROTECTIVE EQUIPMENT <b>B</b>
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LEGEND

- ACGIH** American Conference of Governmental Industrial Hygienists
- NFPA** National Fire Protection Association
- LD50** Amount of a material, in one dose, which causes the death of 50% of a group of test animals.
- OSHA** Occupational Safety and Health Administration
- PEL** Permissible Exposure Levels
- STEL** Short Term Exposure Limit
- TLV** Threshold Limit Value
- TSCA** Toxic Substances Control Act
- TWA** Time Weighted Average
- VOC** Volatile Organic Compounds

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