1. PRODUCT IDENTIFICATION

IDENTIFICATION of the SUBSTANCE or PREPARATION

<table>
<thead>
<tr>
<th>TRADE NAME (AS LABELED):</th>
<th>STI Marine Firestop Sealant (MFS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELEVANT USE of the SUBSTANCE:</td>
<td>Firestop and Sound Transmission</td>
</tr>
<tr>
<td>USES ADVISED AGAINST:</td>
<td>None</td>
</tr>
</tbody>
</table>

COMPANY/UNDERTAKING IDENTIFICATION:

| SUPPLIER/MANUFACTURER'S NAME: | STI Marine Firestop: A division of Specified Technologies Inc. |
| ADDRESS: | 210 Evans Way, Somerville, NJ 08876 |
| EMERGENCY PHONE: | US, Canada: (800) 255-3924 (24 hour), International: +1-813-248-0585 (Collect-24 hour) |
| BUSINESS PHONE: | (800) 992-1180 (Mon–Fri, 8 AM–5 PM ET) |
| PREPARATION DATE: | December 4, 2013 |
| REVISION DATE: | July 26, 2018 |

2. HAZARD IDENTIFICATION

2.1 Classification of substance or mixture

CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008 (CLP) (Directive EC 67/548/EEC or 1999/45/EC as amended)

Classification: Eye Irritation Cat. 2, Aquatic Acute Toxicity Category 3

U.S. OSHA REGULATORY STATUS: Eye Irritation Cat. 2, Aquatic Acute Toxicity Category 3

2.2 Label Elements

Label in accordance with (EC) No. 1272/2008:

Signal Word: Warning

Hazard Statements: H319: Causes eye irritation. 412: Harmful to aquatic life with long-lasting effects.


Prevention: P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P264: Wash hands after handling; P280: Wear eye protection. P273: Avoid release to the environment. P280: Wear protective gloves, clothing, eye protection and face protection.

Response: P305 + P351+ P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308, P337 + P313: If eye irritation persist, or you were exposed or concerned: Get medical advice/attention. P405: Store in a secure location.

Disposal: P501: Dispose of contents/containers in accordance with all local, regional, national and international regulations.

Hazard Symbols/Pictograms:
3. COMPOSITION AND INFORMATION ON INGREDIENTS - Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>EC #</th>
<th>W/W%</th>
<th>LABEL ELEMENTS</th>
<th>GHS Classification</th>
<th>Hazard Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Silyl Terminated Polyether Mixture</td>
<td>Confidential Business Information</td>
<td>Confidential Business Information</td>
<td>25.0-35.0</td>
<td>Classification: Does not meet the criteria for classification as per Regulation (EC) No 1272/2008 on classification, labelling and packaging or substances and mixtures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminum Trihydrate</td>
<td>21645-51-2</td>
<td>244-492-7</td>
<td>12.0-15.0</td>
<td>SELF CLASSIFICATION</td>
<td>Classification: Eye Irritation Cat. 2 Hazard Statement Codes: H319</td>
<td></td>
</tr>
<tr>
<td>Calcium Carbonate, Precipitated</td>
<td>471-34-1</td>
<td>207-439-9</td>
<td>30.0-50.0</td>
<td>Classification: Does not meet the criteria for classification as per Regulation (EC) No 1272/2008 on classification, labelling and packaging or substances and mixtures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tris(2-Chloroisopropyl Phosphate)</td>
<td>13674-84-5</td>
<td>237-158-7</td>
<td>8.0-15.0</td>
<td>SELF CLASSIFICATION</td>
<td>Classification: Acute Oral Toxicity Cat. 4, Aquatic Chronic Toxicity Cat. 3 Hazard Statement Codes: H302, H412</td>
<td></td>
</tr>
<tr>
<td>Vinyltrimethoxysilane</td>
<td>2768-02-7</td>
<td>220-449-8</td>
<td>1.0-5.0</td>
<td>SELF CLASSIFICATION</td>
<td>Classification: Flammable Liquid Cat. 3, Acute Inhalation Toxicity Cat. 4 Hazard Statement Codes: H225, H332</td>
<td></td>
</tr>
<tr>
<td>Stearic Acid</td>
<td>57-11-4</td>
<td>200-313-4</td>
<td>0.1-2.0</td>
<td>Classification: Does not meet the criteria for classification as per Regulation (EC) No 1272/2008 on classification, labelling and packaging or substances and mixtures</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

SKIN EXPOSURE: If adverse skin effects occur, discontinue use and flush contaminated area.
Inhalation: If fumes or vapors are inhaled, remove victim to fresh air.
EYE EXPOSURE: If this product contaminates the eyes, rinse eyes under gently running water.
INGESTION: If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, DO NOT INDUCE VOMITING

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory disorders may be aggravated by overexposures to this product.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT IF NEEDED: Treat symptoms and eliminate exposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Not determined.
AUTOIGNITION: Unknown.
FLAMMABLE LIMITS IN AIR: Unknown.
EXTINGUISHING MEDIA:
- Suitable Extinguishing Media: Use extinguishing material suitable to surrounding materials, including foam, halon, carbon dioxide, water stray and dry chemical.
- Unsuitable Extinguishing Media: None known.
PROTECTION OF FIREFIGHTERS:
- Special Fire and Explosion Hazards: This product may be combustible and may ignite if exposed to direct flame or if highly heated for a prolonged period. Not sensitive to mechanical impact under normal conditions.
- Special Protective Actions For Fire-Fighters: No Special protective actions for fire-fighters are anticipated.
6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS AND EMERGENCY PROCEDURES: Due to small quantity of individual contains, release of a single container does not pose a significant hazard. Release of a large amount of containers should be considered an uncontrolled release and should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. Eliminate any possible sources of ignition.

PERSONAL PROTECTIVE EQUIPMENT: Responders should wear the level of protection appropriate to the type of chemical released, the amount of the material spilled, and the location where the incident has occurred.

Small Spills: For releases of 1 container or less, Level D Protective Equipment (gloves, chemical resistant apron, boots, and eye protection) should be worn.

Large Spills: Minimum Personal Protective Equipment should be rubber gloves, rubber boots, safety glasses.

METHODS FOR CLEAN-UP AND CONTAINMENT:

All Spills: Access to the spill area should be restricted. Spread should be limited by gently covering the spill with polypads. Absorb spilled product with clay, sand, polypads, or other suitable inert absorbent materials. All contaminated absorbents and other materials should be placed in an appropriate container and seal. Do not mix with wastes from other materials. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations). Dispose of recovered material and report spill per regulatory requirements. Remove all residue before decontamination of spill area. Clean spill area with soap and copious amounts of water.

ENVIRONMENTAL PRECAUTIONS: Minimize use of water to prevent environmental contamination. Prevent spill or rinsate from contaminating storm drains, sewers, soil or groundwater. Place all spill residues in a suitable container and seal.

OTHER INFORMATION: U.S. regulations may require reporting of spills of this product that reach surface waters if a sheen is formed. If necessary, the toll-free phone number for the US Coast Guard National Response Center is 1-800-424-8802.

7. HANDLING and STORAGE

PRECAUTIONS FOR SAFE HANDLING: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat or drink while handling this material. Avoid contact with eyes, skin, and clothing. Avoid breathing fumes. Do not taste or swallow. Contaminated clothing needs should be laundered prior to reuse. Keep away from heat and flame. In the event of a spill, follow practices indicated in Section 6: ACCIDENTAL RELEASE MEASURES.

CONDITIONS FOR SAFE STORAGE: This product is stable under ordinary conditions of handling, use and storage. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Keep container tightly closed when not in use.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/CONTROL PARAMETERS:

Ventilation and Engineering Controls: Use with adequate, explosion proof ventilation to ensure exposure levels are maintained below the limits provided in this section.

Occupational/Workplace Exposure Limits/Guidelines:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>EC #</th>
<th>Guideline</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Trihydrate</td>
<td>21645-51-2</td>
<td>244-492-7</td>
<td>Germany TWA</td>
<td>4 mg/m³ Inhaleable Fraction</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Switzerland TWA</td>
<td>0.5 mg/m³ Respirable Fraction</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 mg/m³ Respirable Fraction</td>
</tr>
<tr>
<td>Particulate Not Otherwise Specified</td>
<td>471-34-1</td>
<td>207-439-9</td>
<td>OSHA PEL TWA</td>
<td>15 mg/m³ Total Dust; 5 mg/m³ Respirable Fraction</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td></td>
<td></td>
<td>NIOSH REL TWA</td>
<td>10 mg/m³ Total Dust; 5 mg/m³ Respirable Fraction</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Belgium TWA</td>
<td>3 mg/m³ Total Dust;</td>
</tr>
<tr>
<td>Proprietary Silyl Terminated Polyether Mixture</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stearic Acid</td>
<td>57-11-4</td>
<td>200-313-4</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Tris(2-Chloroisopropyl Phosphate)</td>
<td>13674-84-5</td>
<td>237-158-7</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

NE = Not Established.  See Section 16 for Definitions of Terms Used.
9. PHYSICAL and CHEMICAL PROPERTIES

FORM: Paste.  
MOLECULAR WEIGHT: Mixture. 
ODOR: Mild  
SPECIFIC GRAVITY: 1.56  
RELATIVE VAPOR DENSITY (air = 1): Heavier than air.  
SOLUBILITY IN WATER: Insoluble.  
MELTING/FREEZING POINT: Not established.  
VOC: 0.2 Grams/Liter  
PERCENT SOLIDS: 100% 
FLASH POINT: Not available. 
FLAMMABLE LIMITS (in air by volume, %): Lower: Not established; Upper: Not established.  
COEFFICIENT OF OIL/WATER DISTRIBUTION (PARTITION COEFFICIENT): Not available.  
FLAMMABLE LIMITS (in air by volume, %): Lower: Not established; Upper: Not established.  
COEFFICIENT OF OIL/WATER DISTRIBUTION (PARTITION COEFFICIENT): Not available.  
HOW TO DETECT THIS SUBSTANCE (WARNING PROPERTIES): The appearance of this product may act as warning properties in the event of an accidental release. 

10. STABILITY and REACTIVITY

CHEMICAL STABILITY: Stable under normal circumstances of use and handling. 
CONDITIONS TO AVOID: Avoid contact with incompatible chemicals and exposure to extreme temperatures.  
INCOMPATIBLE MATERIALS: This product is not compatible with strong bases, strong acids, and powerful oxidizers.  
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion: Thermal decomposition of this product can generate aluminum, calcium, carbon, iron and nitrogen oxides, formaldehyde, and unknown hydrocarbons. Hydration: None known. 
POSSIBILITY OF HAZARDOUS REACTIONS/POLYMORIZATION: This product is not reactive. 

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: The most significant routes of occupational exposure are inhalation and contact with eyes. The symptoms of exposure to this product are as follows: 
Contact with Skin or Eyes: Contact may mildly irritate the skin and cause redness and discomfort. Direct eye contact may cause redness, pain, and tearing.  
Skin Absorption: No information is available on possible skin absorption. No component is known to be absorbed via intact skin. 
Ingestion: May be harmful if swallowed. Ingestion is not anticipated as a route of exposure under normal use.  
Inhalation: Due to viscosity, inhalation is not a significant route of exposure.  
Injection: Accidental injection of this product (e.g. puncture with a contaminated object) may cause burning, redness, and swelling in addition to the wound.  
TARGET ORGANS: Acute: eyes.  
TOXICITY DATA: There are currently no toxicity data available for this product; the following toxicology data are available for components greater than 1% in concentration.  

ALUMINUM TRIHYDRATE: 
TDL0 (Oral-Child) 79 mg/kg/2 years-intermittent: Behavioral: changes in motor activity (specific assay), muscle contraction or spasticity; Musculoskeletal: osteomalacia  
TDL0 (Oral-Child) 122 mg/kg/4 days: Gastrointestinal: other changes; Nutritional and Gross Metabolic: body temperature increase  
TDL0 (Oral-Infant) 68040 mg/kg/24 weeks-intermittent: Musculoskeletal: osteoporosis; Nutritional and Gross Metabolic: weight loss or decreased weight gain, changes in phosphorus.  
TDL0 (Oral-Woman) 73912.5 mg/kg/26 weeks-intermittent: Blood: changes in serum composition (e.g. TP, bilirubin, cholesterol); Musculoskeletal: osteoporosis; Nutritional and Gross: Metabolic: changes in phosphorus  
TDL0 (Oral-Woman) 84 gm/kg: female 1-40 weeks(s) after conception: Reproductive: Effects on Newborn: physical  
TDL0 (Unreported-Infant) 39 gm/kg/24 days-intermittent: Musculoskeletal: osteomalacia  
TDL0 (Oral-Rat) 15 mg/kg: Gastrointestinal: other changes.  
TDL0 (Oral-Rat) 8040 mg/kg/67 days-continuous: Blood: changes in serum composition (e.g. TP, bilirubin, cholesterol); Nutritional and Gross Metabolic: changes in phosphorus  
TDL0 (Oral-Mouse) 80,880 mg/kg/23 weeks-continuous: Liver: other changes; Musculoskeletal: other changes; Nutritional and Gross Metabolic: changes in metals, not otherwise specified  
TDL0 (Intraperitoneal-Rat) 150 mg/kg  
TDL0 (Intrapertoneal-Rat) 6240 mg/kg/26 weeks-intermittent: Blood: pigmented or nucleated red blood cells; Nutritional and Gross Metabolic: weight loss or decreased weight gain, changes in iron  
TDL0 (Intrapertoneal-Rat) 1920 mg/kg/8 weeks-intermittent: Blood: microcytosis with or without anemia  
TDL0 (Intraaperitoneal-Rat) 960 mg/kg/4 weeks-intermittent: Blood: changes in erythrocyte (RBC) count  
CALCIUM CARBONATE, PRECIPITATED: 
Standard Draize Test (Skin-Rabbit) 500 mg/24 hours: Moderate  
Standard Draize Test (Eye-Rabbit) 750 µg/24 hours: Severe  
TDL0 (Oral-Human) 4.08 gm/kg/30 days-intermittent: Vascular: BP elevation not characterized in autonomic section; Gastrointestinal: changes in structure or function of endocrine pancreas; Biochemical: Metabolism (Intermediary): effect on inflammation or mediation of inflammation  
LD50 (Oral-Rat) 6450 mg/kg  
TDL0 (Oral-Rat) 60 gm/kg: Gastrointestinal: hypermotility, diarrhea, other changes  
TDL0 (Oral-Rat) 10 mg/kg: Biochemical: Metabolism (Intermediary): effect on inflammation or mediation of inflammation  
STEARIC ACID: 
Standard Draize Test (Skin-Human) 75 mg/3 days-intermittent: Mild  
LD50 (Oral-Human) 14,286 mg/kg  
Standard Draize Test (Skin-Rabbit) 500 mg/24 hours: Moderate  
LD50 (Oral-Rat) 4600 mg/kg  
LD50 (Skin-Rabbit) > 5 gm/kg  
LD50 (Intravenous-Rat) 21,500 µg/kg: Behavioral: convulsions or effect on seizure threshold; Lungs, Thorax, or Respiration: other changes  

11. TOXICOLOGICAL INFORMATION
LD₅₀ (Intravenous-Mouse) 23 mg/kg: Behavioral: convulsions or effect on seizure threshold; Lungs, Thorax, or Respiration: other changes
LD₅₀ (Oral-Rat) 4640 mg/kg
TLDₐ (Oral-Rat) 313 gm/kg/30 weeks-continuous: Related to Chronic Data: death
TLDₐ (Oral-Rat) 8400 gm/kg/24 weeks-intermittent: Biochemical: Metabolism (Intermediary): lipids including transport
TLDₐ (Oral-Rat) 31,500 mg/kg/30 weeks-intermittent: Behavioral: food intake (animal); Related to Chronic Data: death
TLDₐ (Oral-Mouse) 157.5 gm/kg/6 weeks-intermittent: Blood: change in clotting factors, changes in serum composition (e.g. TP, bilirubin, cholesterol); Biochemical: Metabolism (Intermediary): lipids including transport
TLDₐ (Oral-Mouse) 252 gm/kg/3 weeks-intermittent: Nutritional and Gross Metabolic: weight loss or decreased weight gain
TLDₐ (Oral-Mouse) 1260 gm/kg/3 weeks-intermittent: Nutritional and Gross Metabolic: weight loss or decreased weight gain; Related to Chronic Data: death
TLDₐ (Intramuscular-Rat) 31,500 mg/kg/30 weeks-continuous: Behavioral: food intake (animal); Lungs, Thorax, or Respiration: other changes; Related to Chronic Data: death
TLDₐ (Implant-Mouse) 400 mg/kg: Tumorogenic: equivocal tumorogenic agent by RTECS criteria; Kidney/Ureter/Bladder: tumors
DNA Damage (Human Liver) 10 mg/L/20 hours

IRRITANCY OF PRODUCT: This product may mildly irritate contaminated tissue, especially if contact is prolonged.
SENSITIZATION TO THE PRODUCT: No component is known to cause sensitization effects.
TOXICOLOGICAL SYNERGISTIC PRODUCTS: None known.
REPRODUCTIVE TOXICITY INFORMATION: This product has not been tested for reproductive toxicity. No component is known to cause mutagenic, embryotoxic, teratogenic or reproductive toxicity effects.

BIOLOGICAL EXPOSURE INDICES (BEIs): Currently, there are no BEI’s established for any component of this product.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
MOBILITY: This product has not been tested for mobility in soil.
PERSISTENCE AND BIODEGRADABILITY: This product has not been tested for persistence or biodegradability.
BIO-ACCUMULATION POTENTIAL: This product has not been tested for bio-accumulation potential.
ECOTOXICITY: This product has not been tested for aquatic or animal toxicity. A component of this product can cause long-term harm to aquatic organisms. All release to terrestrial, atmospheric and aquatic environments should be avoided. The following aquatic toxicity data are available for the Tris(2-Chloroisopropyl) Phosphate component of this product.

TRIS(2-CHLOROISOPROPYL) PHOSPHATE:
EC₅₀ (Selenastrom capricornium algae) 96 hours ~ 47-73 mg/L
LC₅₀ (Daphnia magna Water flea) 96 hours ~ 131 mg/L

OTHER ADVERSE EFFECTS: This material is not expected to have any ozone depletion potential.
ENVIRONMENTAL EXPOSURE CONTROLS: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Dispose of in accordance with local, state and federal laws and regulations. The generator of the waste is responsible for proper waste determination and management.
U.S. EPA WASTE NUMBER: Not applicable.

14. TRANSPORTATION INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: This product is not classified as Dangerous Goods, per U.S. DOT regulations, under 49 CFR 172.101.
TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This product is not classified as Dangerous Goods, per regulations of Transport Canada.
INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is not classified as dangerous goods, per the International Air Transport Association.
INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is not classified as dangerous goods, per the International Maritime Organization.
15. REGULATORY INFORMATION

ADDITIONAL U.S. REGULATIONS:
U.S. SARA Reporting Requirements: The components of this product are NOT subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA Hazard Categories (Section 302/313, 40 CFR 370-21): ACUTE: Yes; CHRONIC: No; FLAMMABILITY: No; REACTIVE: No;
SUDDEN RELEASE: No

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

U.S. CERCLA Reportable Quantity (RQ): Not applicable.

U.S. Clean Air Act (CA 112r) Threshold Quantity (TQ): Not applicable.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): No component is on the California Proposition 65 list.

ADDITIONAL CANADIAN REGULATIONS:
Canadian DSL/NDSL Inventory Status: The components of this product listed by CAS® in Section 3 (MATERIAL IDENTIFICATION) are listed on the DSL Inventory.

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists: Not applicable.

Canadian WHMIS Regulations:

16. OTHER INFORMATION

REFERENCES AND DATA SOURCES: Contact the supplier for information.

METHODS OF EVALUATING INFORMATION FOR THE PURPOSE OF CLASSIFICATION: Bridging principles were used to classify this product.

REVISION DETAILS: July 26, 2018

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:

The information presented in this Material Safety Data Sheet is presented in good faith based on data believed to be accurate as of the date this Material Safety Data Sheet was prepared. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION ABOVE, OR ITS RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. In no case shall the descriptions, warnings, data, or designs provided be considered a part of our terms and conditions of sale.

All materials may present hazards and should be used with caution. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No responsibility is assumed for any damage or injury resulting from any use or from any failure to adhere to recommended practices or applicable federal, state, or local laws or regulations. Revisions may be made above, and the product is not warranted or finished with anything other than in the suitability of the product for your particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.

DEFINITIONS OF TERMS:

A large number of abbreviations and acronyms appear on a MSDS. Some of these, which are commonly used, include the following:

KEY ACRONYMS:

CHEMTREC: Chemical Transportation Emergency Center, a 24-hour emergency information and/or emergency assistance to emergency responders.

CEILING LEVEL: The concentration that shall not be exceeded during any part of the working exposure.

DFG MAK: Federal Republic of Germany Maximum Concentration Values in the workplace. Exposure limits are given as TWA (Time-Weighted Average) or PEK (short-term exposure) values.

DFG MAK Germ Cell Mutagen Categorization: 1: Germ cell mutations that have been shown to increase the mutant frequency in exposure organisms. 2: Germ cell mutations that have been shown to increase the mutant frequency in the progeny of exposed mammals. 3A: Substances that have been shown to induce genetic damage in germ cells of human or animals, which produce mutagenic effects in somatic cells of mammals in vivo and have been shown to reach the germ cells in an active form. 3B: Substances that are suspected of being germ cell mutagens because of their genotoxic effects in mammalian somatic cell in vivo; in exceptional and limited cases there may be no in vitro data, but that are clearly mutagenic in vitro and structurally related to known in vivo mutagens. 4: Not applicable (Category 4 carcinogenic substances are those with non-genotoxic mechanisms of action. By definition, germ cell mutations are genotoxic. Therefore, a Category 4 for germ cell mutations cannot apply. At some time in the future, it is conceivable that a Category 4 could be established for genotoxic substances with primary targets other than DNA [e.g. purely aneugenic substances] if research results make this seem sensible.) 5: Germ cell mutations, the potency of which is considered to be so low that, even provided the MAK value is observed, their contribution to genetic risk for humans is expected to be insignificant.

DFG MAK Pregnancy Risk Group Classification: Group A: A risk of damage to the developing embryo or fetus has been demonstrated. Exposure of pregnant women can lead to damage of the developing organism, even when MAK and BAT (Biological Tolerance Value for Working Materials) values are observed. Group B: Currently available information indicates a risk of damage to the developing embryo or fetus must be considered to be probable. Damage to the developing organism cannot be excluded when pregnant women are exposed, even when MAK and BAT values are observed. Group C: There is no reason to fear a risk of damage to the developing embryo or fetus when MAK and BAT values are observed. Group D: Only exceptionally, and in one of the groups A-C, is not yet possible because, although the data available may indicate a trend, they are not sufficient for final evaluation.

IDLH: Immediately Dangerous to Life and Health. This level represents a concentration from which one can escape within 30-minutes without suffering excape-preventing or permanent injury.

LOQ: Limit of Quantitation.

NC: Notice of Intended Change.

NIOSH CEILING: The exposure that shall not be exceeded during any part of the workday. If instantaneous monitoring is not feasible, it shall be assumed as 8-minute TWA exposure (unless otherwise specified) that shall not be exceeded at any time during a workday.

NIOSH RELs: NIOSH’s Recommended Exposure Limits.

PEL: OSHA’s Permissible Exposure Limits. This exposure value means exactly the same as a TLV, except that it is enforced by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1995 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated BAT/PEL values are listed. "Vacated 1989 PEL" is placed next to the PEL that was vacated by Court Order.

SKIN: When used there is a danger of cutaneous absorption.

STEL: Short Term Exposure Limit, usually a 15-minute time-weighted average (TWA) exposure that should not be exceeded at any time during a workday, even if the 8-hour TWA is within the TWA-TLV, PEL-TWA or REL-TWA.

TWA: Time Weighted Average exposure concentration for a conventional 8-hr (TWA) PEL or up to a 16-hr (REL) workday and a 40-hr workweek.

WEEL: Workplace Environmental Exposure Limits from the AHA.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM HAZARD RATINGS:
This rating system was developed by the National Paint and Coating Association and has been adopted by STI Marine Firestop Sealant (MFS)
are Non-Explosive. Compressed Gases: No Rating. Pyrophoric: No Rating. Oxidizers: No rating. Unstable Reactants: Substances that will not polymerize, decompose, condense, or self-react.) 1 Water Reactivity: Materials that react with water, but will not release energy violently. Explosives: Division 1.5 & 1.6 explosives. Substances that are very insensitive explosives, with slight shock sensitivity. Substances that do not exhibit a complete reaction at the moment of impact, or an explosion that causes severe injury or death. Substances that exhibit a complete reaction that causes severe injury or death. Poisons: Substances that are toxic or may cause death at levels that are readily attainable under normal conditions of exposure or environmental conditions. Toxic gases. Flammable cryogenic materials. Any liquid or gaseous materials that is liquid while under pressure and/or combustible. Substances that may polymerize, decompose, condense, or self-react at ambient temperature and/or pressure and have a potential (or high risk) to cause significant heat generation or explosion. 4 Water Reactivity: Materials that react explosively with water without requiring heat or confinement. Organic Peroxides: Materials that are readily capable of detonation or explosion when exposed to heat and/or friction. Unstable Reactives: Substances that may polymerize, decompose, condense, or self-react at ambient temperature and/or pressure and have a potential (or high risk) to cause significant heat generation or explosion.