

Material Safety Data Sheet

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| IDENTITY Steel Shield™ Marine Shield™ Metal Treatment | MARINE SHIELD™ |
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Section I

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| Manufacturer's Name Steel Shield Technologies, Inc. | Emergency Telephone Number (412) 479-0024 |
| Address 3351 Industrial Blvd. | Telephone Number for Information (800) 390-1535 |
| Bethel Park, PA 15102 | Date Prepared March 24, 2006 |
| | Signature of Preparer <i>(optional)</i> |

Section II - Hazard Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV |
|---|----------------|--------------------------|
| Synthetic Hydrocarbon Base Stock Fluid | 500 ppm | 5mg/m³ |
| Synthetic Hydrocarbon Extreme Pressure Additive | 500 ppm | 5mg/m³ |
| Lubricity/Anti-Scuff Additive | 500 ppm | 5mg/m³ |
| Corrosion Inhibiting Additive | 500 ppm | 5mg/m³ |

Section III - Physical/Chemical Characteristics

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| Boiling Point | 238° C | Specific Gravity (H ₂ O = 1) | 1.07 |
| Vapor Pressure (mm Hg.) | < 1 @ 25° C | Melting Point | NA |
| Vapor Density (AIR = 1) | NA | Evaporation Rate (Butyl Acetate = 1) | < 0.01 |
| Solubility in Water Insoluble | | | |
| Appearance and Odor Medium to Dark Amber – Mild Oil Odor | | | |

Section IV – Fire and Explosion Hazard Data

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|---|-------------------------------|------------------|------------------|
| Flash Point (Method Used) 226° C | Flammable Limits NA | LEL NA | UEL NA |
| Extinguishing Media Chemical , CO₂ , Foam , Waterfog | | | |
| Special Fire Fighting Procedures Use Self Contained Breathing Apparatus in confined or closed areas | | | |
| Unusual Fire and Explosion Hazards | | | |
| Handle and treat as oil – non-explosive and non-flammable under normal conditions | | | |

Section V - Reactivity Data

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| Stability | Stable | | Conditions to Avoid Open Flames and Molten Temperatures |
| Incompatibility (<i>Materials to Avoid</i>) Strong Oxidizers | | | |
| Hazardous Decomposition or Byproducts Carbon dioxide, carbon monoxide, various hydrocarbons and HCl if combustion is not complete | | | |
| Hazardous Polymerization | Will Not Occur | | Conditions to Avoid None Known |

Section VI - Health Hazard Data

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|---|-----------------------|----------------------------|---------------------------|
| Route(s) of Entry: | Inhalation? NO | Skin? NO | Ingestion? YES |
| Health Hazards (<i>Acute and Chronic</i>) Ingestion of product may produce nausea and vomiting, but no long-term effects. | | | |
| Carcinogenicity: | NTP? NO | IARC Monographs? NO | OSHA Regulated? NO |
| Signs and Symptoms of Exposure Mild irritation of eyes; the toxicity profile shows excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, fatigue, headaches and nausea. | | | |
| Medical Conditions Generally Aggravated by Exposure None Known | | | |
| Emergency and First Aid Procedures Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician if irritation persists. Skin: Wash thoroughly with soap and water. Inhalation of combusted fumes: Remove exposed person to fresh air. Ingestion: Call a physician. Do NOT induce vomiting. | | | |

Section VII - Precautions for Safe Handling and Use

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| Steps to Be Taken in Case Material is Released or Spilled Prevent discharge to streams and sewers. Notify Appropriate agencies. | |
| Waste Disposal Method Dispose of in accordance with all federal, state, and local regulations. | |
| Precautions to Be taken in Handling and Storing Keep away from food and feed products. Do not store near flame, cutting, welding, or ignition sources. | |
| Other Precautions Remove and launder contaminated clothing. Do not store in temperatures in excess of 150° F. | |

Section VIII - Control Measures

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| Respiratory Protection | | |
| Ventilation | Local Exhaust – Not normally required | Special - None |
| If TLV is exceeded, use NIOSH/OSHA approved respirator. | Mechanical (<i>General</i>) Not required | Other NA |
| Protective Gloves Neoprene or Nitrile Rubber | Eye Protection Safety Goggles or face shield | |
| Other Protective Clothing or Equipment None | | |
| Work/Hygienic Practices Wash thoroughly after use or contact. Use good hygienic practices. | | |

Section IX - Special Precautions

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| Precautions to be taken in Handling and Storing | | | |
| NFPA Rating: Health: 1 Fire: 1 Reactivity: 0 Special: 0 | | | |
| Other Precautions DOT ID #: NA DOT LABEL REQUIRED: None HAZARD CLASS: Non-hazardous PACKING GROUP: NA FREIGHT CLASSIFICATION: Lubricating oil | | | |