

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT NAME: **Steel Shield™**
Strike Shield™

MANUFACTURER: Steel Shield Technologies, Inc.
3351 Industrial Blvd.
Bethel Park, PA 15102 U.S.A.

UPDATED: October 28, 2010

EMERGENCY TELEPHONE: (800) 390-1535

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SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENTS	OSHA PEL	ACGIH TLV	%Vol	CAS NUMBER
Synthetic Base Stock Oil	500 ppm	5 mg/m ³	45-65%	163149-29-9
Synthetic Oil Additive	500 ppm	5 mg/m ³	25-40%	63449-39-8
Petroleum Naptha	500 ppm	5 mg/m ³	10-30%	64742-47-8

SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: > 367-394°F

VAPOR PRESSURE (mm Hg): < 1 @ 25°C

VAPOR DENSITY (air = 1): N/A

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Light to dark amber, low viscosity liquid, mild oil-like odor

SPECIFIC GRAVITY: 1.02

MELTING POINT: N/A

EVAPORATION RATE: < 0.01

VOLATILES: None

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USED: 142°F PMCC

FLAMMABLE LIMITS: 1% (lower) - 6% (upper)

EXTINGUISHING MEDIA: Foam, waterfog, chemical, CO₂

SPECIAL FIRE FIGHTING PROCEDURES: Pressure-demand, self-contained breathing apparatus should be provided for firefighters in confined areas where stored.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product is nonexplosive and not combustible under normal conditions. It flows freely when hot and should be treated as oil when exposed in a fire.

SECTION 5 – REACTIVITY DATA

STABILITY: Stable under normal conditions

CONDITIONS TO AVOID: Open flames and extremely high temperatures (molten)

INCOMPATIBILITY (materials to avoid): Strong oxidizers

HAZARDOUS DECOMPOSITION/BYPRODUCTS: Carbon dioxide, carbon monoxide, halogenated hydrocarbons and other hydrocarbons if combustion is not complete

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None known

(Continued on Page 2)

SECTION 6 – HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: Inhalation? No. Skin? No Ingestion? Possible (deliberate)
HEALTH HAZARDS-ACUTE TOXICOLOGICAL PROPERTIES: Under normal use conditions, not expected to produce toxicity via inhalation or skin. Ingestion of product may produce nausea and vomiting, but no long-term effects.
CARCINOGENICITY: None NTP? No IARC Monographs? No OSHA Regulated? No
SIGNS & 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 determined
EMERGENCY & 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. Never give anything by mouth to an unconscious person.

SECTION 7 – CONTROL MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: If material is spilled, steps should be taken to contain liquids and prevent discharges to streams or sewer systems. Spills or releases should be reported to appropriate agencies.
WASTE DISPOSAL METHOD: Dispose of absorbent in accordance with all applicable Federal, State and Local regulations.
PRECAUTIONS FOR HANDLING AND STORING: Keep container closed until ready for use. Keep away from feed and food products. Store away from ignition sources. Do not use welder or cutting torch on or near container
OTHER PRECAUTIONS: Do not store in temperatures above 130°F. Remove and launder contaminated clothing.

SECTION 8 – PRECAUTIONS FOR SAFE HANDLING AND USE

RESPIRATORY PROTECTIONS: If TLV is exceeded, use NIOSH/OSHA-approved respirator with organic filter
VENTILATION: Local exhaust - not normally required Mechanical (general) - not required
Special - none Other adequate ventilation - none
PROTECTIVE GLOVES: Neoprene or Buna-N
EYE PROTECTION: Chemical safety goggles and, if handled hot, full face shield
OTHER PROTECTIVE EQUIPMENT/CLOTHING: None
WORK/HYGIENIC PRACTICES: Use usual, good hygienic practices; wash thoroughly after use.

SECTION 9 – NFPA RATING

HEALTH: 1 FIRE: 2 REACTIVITY: 0 SPECIAL: 0

SECTION 10 - TRANSPORTATION

DOT ID No.: NA 1993 Combustible liquid DOT LABEL REQUIRED: Class 3, NA 1993
FREIGHT CLASSIFICATION: Penetrating oil
HAZARD CLASS: Combustible Liquid PACKING GROUP: III

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This supersedes any previous information.