



SAFETY DATA SHEET

1. Identification Product identifier - Steel Shield ENGINE SHIELD

Other means of identification (Engine Shield)

Product code ES

Synonyms Long Chain Synthetic Hydrocarbon with Proprietary Additives

Recommended use Extreme Pressure/Anti-Wear Additive for All Combustion Engines, Gas and Diesel Added To The Oil Reservoir.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer Company name Steel Shield Technologies, Inc.

Address 3351 Industrial Blvd, Bethel Park, PA 15102

Telephone 1-800-390-1535

Website <http://www.steelshieldtech.com>

Email sstinc2@verizon.net

Emergency phone number CHEMTREC (U.S. and Canada) 18004249300

CHEMTREC (Outside the U.S.) 17035270585

2. Hazard(s) identification

Physical hazards None.

Health hazards None.

Environmental hazards None.

OSHA defined hazards None.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The substance does not meet the hazardous criteria for classification.

Precautionary statement Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise None known.

Supplemental information None.

3. Composition/information on ingredients

Substances Chemical name Common name and synonyms CAS number %

Long Chain Synthetic Hydrocarbon with Proprietary Additives - No CAS#, Non-Hazardous 100%

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. Firstaid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed Treat symptomatically.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

5. Firefighting measures **Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from fire During fire, gases hazardous to health may be formed. **the chemical**

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Firefighting Move containers from fire area if you can do so without risk.

equipment/instructions Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for reuse. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground

7. Handling and storage

Precautions for safe handling Observe good industrial hygiene practices. **Conditions for safe storage,**

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of **including any** the SDS).

incompatibilities

8. Exposure controls/personal protection

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering Good general ventilation (typically 10 air changes per hour) should be used.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear appropriate chemical resistant gloves.

Skin protection Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

9. Physical and chemical properties

Appearance - Golden Liquid

Physical State - Liquid

Physical Form - Liquid

Color - Golden Oil

Odor - Slight mild odor

Odor Threshold - NA (Not Available)

pH - Not Applicable

Melting Point/Freezing Point - Not Applicable

Boiling Point - >450 deg F

Flash Point - >420 deg F (Pensky Martin Closed Cup - PMCC)

Evaporation Rate - <0.01

Flammability - Non Flammable

Upper/lower flammability or explosive limits

Flammability limit lower Not available **Flammability limit upper** Not available.

Explosive limit lower - Not Applicable **Explosive limit upper** - Not Applicable

Vapor pressure - <1@25 C

Vapor density - Not Applicable

Solubility (water) Insoluble

Partition coefficient Not available

Auto ignition temperature Not available.

Decomposition temperature Not available.

Viscosity 40 SUS @ 78deg F

Other information:

Flammability class Combustible IIIB estimated

Flash point class Combustible IIIB

Specific gravity 1.06 @ 25 C

10. Stability and reactivity

Reactivity The product is stable and nonreactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions **Conditions to avoid** No dangerous reaction known under conditions of normal use.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition byproducts - Carbon oxides. Hydrogen chloride.

11. Toxicological information

Information on likely routes of exposure

Ingestion Expected to be a low ingestion hazard.

Inhalation No adverse effects due to inhalation are expected.

Skin contact No adverse effects due to skin contact are expected.

Eye contact Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects Acute toxicity Not available.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.10011050) - Not Listed

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity Not classified.

single exposure

Specific target organ toxicity Not classified.

repeated exposure Aspiration hazard Not available.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous.

It is Environmentally Friendly. Contains No Volatiles.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information DOT

IMDG Not regulated as dangerous goods.

IATA Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

15. Regulatory information

US federal regulations All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

SARA 304 Emergency release notification Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.10011050) Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard No

Delayed Hazard No

Fire Hazard No

Pressure Hazard No

Reactivity Hazard No

SARA 302 Extremely hazardous substance No

SARA 311/312 No

Hazardous chemical SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Safe Drinking Water Act Not regulated. **(SDWA) US state regulations US. Massachusetts RTK Substance List** Not regulated.

US. New Jersey Worker and Community Right-to-Know Act Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law Not listed.

US. Rhode Island RTK Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Other information, including date of preparation or last revision

Issue date 07-28-2015

Revision date 07-28-2015 **Version #1**

HMIS® ratings

Health: 1 Flammability: 1 Physical hazard: 0 Personal protection: B

NFPA ratings Health: 1 Flammability: 1 Instability: 0

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available.