



Steel Shield Technologies

809-B,8/F.,Blk B,Goodview Ind Bldg.,
11 Kin Fat St.,Tuen Mun, N.T.,Hong Kong.
Email:steelshieldtech@yahoo.com

www.steelshieldtech.com.hk



MATERIAL SAFETY DATA SHEETS

1. PRODUCT AND COMPANY IDENTIFICATION

DATE : 2022JAN21

Product Name: **Steel Shield PHANTOM ABF-F1 M13 Fully SAE 5W40 API SN/SM/CF, ACEA A3/B3-08**

Supplier Joint: **PERFORMANCE OIL PTE LTD (OEM)
STEEL SHIELD TECHNOLOGIES**

24 Hour Emergency **+852 94830670**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Names and Synonyms: Lubricating Oil

Ingredients considered hazardous to health:

This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.

See Section 15 for European Label Information.

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

US OSHA Hazard Communication Standard:

Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

Effects Of Overexposure : No significant effects expected.

Emergency Response Data : Clear and Bright Liquid. DOT ERG No. - NA

4. FIRST AID MEASURES

Eye Contact: Flush thoroughly with water. If irritation occurs, call a physician.

Skin Contact: Wash contact areas with soap and water.

Inhalation: Not expected to be a problem

Ingestion: Not expected to be a problem when ingested. If uncomfortable seek medical assistance.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, foam, dry chemical and water fog.

Special Fire Fighting Procedures:

Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Special Protective Equipment:

For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards:

None. Flash Point C (F): 201 (394) (ASTM D-93). Flammable Limits - LEL: NA, UEL: NA.

NFPA Hazard ID : Health: 0, Flammability: 1, Reactivity: 0

Hazardous Decomposition Products: Carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Notification Procedures:

Report spills as required to appropriate authorities. U.S. Coast Guard regulations required immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify Chemtrec (800) 424-9300.

Procedures if material is released or spilled:

Absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

Environmental Precautions: Prevent spills from entering storm sewers or drains and contact with soil.

Personal Precautions: See Section 8.

7. HANDLING AND STORAGE

Handling:

No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

Storage:

Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation:

No special requirements under ordinary conditions of use and with adequate ventilation.

Respiratory Protection:

No special requirement under ordinary conditions of use and with adequate ventilation.

Eye Protection:

Normal industrial eye protection practices should be employed.

Skin Protection:

No special equipment required. However, good personal hygiene practices should always be followed.

Exposure Limits:

This product does not contain any components which have recognized exposure limits. However, a threshold limit value of 5.00 mg/m³ is suggested for oil mist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

Appearance	:	Liquid
Color	:	L1.5
Odor	:	Mild
Flash Point C (F)	:	232°C
Flammability	:	NE
Auto Flammability	:	NE
Explosive Properties	:	NA
Oxidizing Properties	:	NA
Vapor Pressure -mmHg 20 C:	:	< 0.1
Vapor Density	:	> 2.0
Evaporation Rate	:	NE
SG @ 60/60°F	:	0.8639
Solubility in water	:	Negligible
Viscosity at 40 C, cSt	:	89.89
Viscosity at 100 C, cSt	:	14.58
Pour Point C (F)	:	-39
Freezing Point C (F)	:	NE
Volatile Organic Compound	:	Exempt In U.S.

NA=Not Applicable NE=Not Established D=Decomposes

For further technical information, contact your marketing representative.

10. STABILITY AND REACTIVITY

Stability (Thermal, Light, etc.)	:	Stable.
Conditions To Avoid	:	Extreme heat.
Incompatibility (Materials to avoid)	:	Strong oxidizers.
Hazardous Decomposition Products	:	Carbon monoxide.
Hazardous Polymerization	:	Will not occur.

11. TOXICOLOGICAL DATA

--- ACUTE TOXICOLOGY ---

Oral Toxicity (Rats):

Practically non-toxic (LD50: greater than 2000 mg/kg). --- Based on testing of similar products and/or the components.

Dermal Toxicity (Rabbits):

Practically non-toxic (LD50: greater than 2000 mg/kg). ---- Based on testing of similar products and/or the components.

Inhalation Toxicity (Rats):

Not applicable --- Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.

Eye Irritation (Rabbits):

Practically non-irritating. (Draize score: 0 or greater but 6 or less). --- Based on testing of similar products and/or the components.

Skin Irritation (Rabbits):

Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). - Based on testing of similar products and/or the components.

12. ECOLOGICAL INFORMATION

Environmental Fate And Effects : Not established.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA Information:

The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT : Not Regulated by USA DOT.
RID/ADR : Not Regulated by RID/ADR.
IMO : Not Regulated by IMO.
IATA : Not Regulated by IATA.

15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS and AICS.

EU Labeling : EU labeling not required.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

This product contain no "EXTREMELY HAZARDOUS SUBSTANCES"

SARA (311/312) Reportable Hazard Categories : None.

This product contains no chemicals reportable under SARA (313) toxic release program.
