



SAFETY DATA SHEET

Print date:10/29/2015 Revision Date: 10/29/2015 Revision Number: 1

1. COMPANY AND PRODUCT IDENTIFICATION

Product identifier

Product Name: Steel Shield Lithi-Shield #2 NLGI Grease

Product code: LSG

Other means of identification

Synonyms Lithium Complex Grease

Recommended Use Lubricating Grease For Industrial, GC, LB

Supplier/Manufacturer: Steel Shield Technologies, Inc.

3351 Industrial Blvd
Bethel Park, PA 15102

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered non-hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements Emergency Overview

Supplier:

Steel Shield Technologies, Inc.
3351 Industrial Blvd
Bethel Park, PA 15102

E-MAIL: sstinc2@verizon.net

Emergency telephone number:

* 24 HOUR TRANSPORTATION: **CHEMTREC: 1-800-424-9300 +703-527-3887 (Call collect outside of US)

* 24 HOUR EMERGENCY HEALTH & SAFETY: **(800) 523-7010 (Within US only) Outside of US call (703)527-3887

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace wear protective gloves

Precautionary Statements - Response

Specific treatment (see First Aid on this label)

IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

Harmful to aquatic life.

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components CAS No Weight %

Non-hazardous - The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. If symptoms persist, call a physician

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Skin contact: Remove and wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water.

Hazard Statements

In rare cases, could cause an allergic skin reaction

Appearance Opaque Amber

Physical State Grease **Odor** Bland

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do

not induce vomiting without medical advice Never give anything by mouth to an unconscious person

Inhalation: Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration If breathing is difficult, give oxygen Consult a physician.

Note to physician: Treat symptomatically.

Medical condition aggravated by exposure: Dermatitis.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO₂, water spray or `alcohol` foam.

Specific hazards: Do not allow material to contaminate ground water system.

Special protective equipment for fire-fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific methods: Water mist may be used to cool closed containers

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation Do not breathe vapour/dust. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling

Environmental precautions: Do not flush into surface water or sanitary sewer system Prevent further leakage or spillage if safe to do so

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) Sweep up and shovel into suitable containers for disposal

7. HANDLING AND STORAGE

Handling

Technical

measures/precautions:

Provide sufficient air exchange and/or exhaust in work rooms.

Safe handling advice: In case of insufficient ventilation, wear suitable respiratory equipment Do not breathe vapors or spray mist. Wear personal protective equipment. Avoid contact with skin and eyes Wash thoroughly after handling

Storage Technical measures/storage conditions:

Store at room temperature in the original container

Incompatible products:

Strong oxidizing agents

Safe storage temperature: 40 - 100 ° F

Shelf life: 2 years

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components ACGIH Exposure Limits OSHA TWA (final) NIOSH - Pocket Guide

Mineral oil		5 mg/m ³	5mg/m ³	5mg/m ³
AW EP Additive		5 mg/m ³	None	None
Calcium carbonate (limestone)	None	15 mg/m ³	10 mg/m ³ (TWA)	5 mg/m ³ (TWA)

Engineering measures: Ensure adequate ventilation

Personal Protective Equipment:

General: Eye Wash and Safety Shower

Respiratory protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organic vapor/P100 filter should be worn.

Eye protection: Safety glasses with side-shields

Hand protection: Recommended: neoprene, latex, nitrile, butyl rubber and polyethylene type

Skin and body protection: Long sleeved clothing

Hygiene measures: Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Grease

Appearance Opaque Amber

Odor Bland

Odor Threshold No information available

pH concentrate: Not applicable

pH Dilution No information available

Melting/freezing point

No information available

Boiling Point/Range No information available

Flash Point 257 °C / 495 °F

Method Cleveland Open Cup (COC)

Evaporation rate No information available

Flammability Limits in Air

upper flammability limit No information available

lower flammability limit No information available

VOC Content Product (lb/gal) No information available

Vapor pressure No information available

Vapor density No information available

Specific Gravity (g/cc, 15 C) 0.88

Bulk Density (lb/gal, 15 C) 7.34

Water Solubility Insoluble
Solubility in other solvents No information available
Partition coefficient: n-octanol/water No information available
Autoignition temperature No information available
Decomposition Temperature No information available
Kinematic viscosity 220 mm²/s @ 40 C
Dynamic viscosity No information available
Molecular Weight No information available

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Conditions to avoid: None known.
Materials to avoid: Strong oxidizing agents.
Hazardous decomposition products: Carbon oxides. Nitrogen oxides (nox). Sulphur oxides. Smoke.
Hazardous Polymerization: Not applicable.

11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

Information on likely routes of exposure

Inhalation May cause irritation of respiratory tract.

Eye Contact Contact with eyes may cause irritation.

Skin Contact May cause sensitization by skin contact.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components LD50 Oral LD50 Dermal LC50 Inhalation

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Components IARC Carcinogens NTP OSHA - Select Carcinogens

Not listed

Sensitization Product contains a component that may be a skin sensitizer. No studies have been conducted on the product itself.

Mutagenic effects: No information available.

Reproductive Toxicity No information available.

Developmental Toxicity No information available.

Teratogenic No information available.

Specific target organ systemic toxicity (single exposure)

No information available.

**Specific target organ systemic
toxicity (repeated exposure)** No information available.

Aspiration hazard No information available.

Additional information on toxicological effects

MINERAL OIL INFORMATION: Any product containing a substance for which OSHA has established a permissible exposure

limit (PEL) is considered hazardous. OSHA has established a PEL of 5 mg/m³ for worker exposure to air borne mists of

mineral oils. Therefore, the presence of mineral oils brings this product within the provisions of the OSHA Hazard

Communication Standard where the PEL reaches or exceeds 5 mg/m³. Health studies have shown that many petroleum

hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to

liquids, vapors, mists or fumes should be minimized.

12. ECOLOGICAL INFORMATION

Components Ecotoxicity - Fish Species

Data: Ecotoxicity - Freshwater

Algae Data: Ecotoxicity - Water Flea

Data: 0.877% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability No information available.

Bioaccumulation No information available.

Components Octanol/water partition coefficient

Mobility: No data available

Ozone: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused

products:

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: Do not re-use empty containers

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal

binder, sawdust) Sweep up and shovel into suitable containers for disposal

RCRA - Hazardous Constituents - Appendix: hazardous constituent - no waste number

14. TRANSPORT INFORMATION

U. S. DEPARTMENT OF TRANSPORTATION:

Proper shipping name: Not Regulated

TDG (CANADA):

Proper shipping name: Not Regulated

IMDG/IMO:

Proper shipping name: Not Regulated

IATA/ICAO:

Proper shipping name: Not Regulated

15. REGULATORY INFORMATION

Federal Regulations OSHA Hazard Communication Standard:

This product is considered to be non-hazardous under the OSHA Hazard Communication Standard.

CERCLA/SARA Information:

SARA (311, 312) hazard class: This product possesses the following SARA Hazard Categories:

Immediate Health (Acute): No

Delayed Health (Chronic): No

Flammability: No

Pressure: No

Reactivity: No

Components Hazardous Substances and RQs

Extremely Hazardous

Substances and TPQs

SARA 313 Emission Reporting

CERCLA/SARA 313 Emission reporting: None

Clean Air and Clean Water Acts:

Components Hazardous Air Pollutants

CWA - Hazardous Substances

CWA - Toxic Pollutants

CWA - Priority Pollutants Not listed

U.S. STATE REGULATIONS (RTK):

Components California

Proposition 65

PARTK MI Critical

Materials Not Listed

California Proposition 65 Status: May contain trace amounts of listed chemicals: silica

RCRA Status: Not regulated

CANADIAN REGULATIONS:

Canada - WHMIS Classification

Information:

This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Canadian Product Classification: Not Regulated

Product Classification Graphic(s):

Component Classification Data:

Components WHMIS hazard class CEPA Schedule I Challenge Substances

INVENTORY STATUS:

United States TSCA - Sect. 8(b) Inventory: This product complies with TSCA

Canada DSL/NDSL Inventory List This product complies with DSL

16. OTHER INFORMATION

Sources of key data used to compile

the data sheet: Material safety data sheets of the ingredients.

Prepared by: Safety, Health and Environmental Department

Revision Date: 07/29/2015

Reason for revision: New Format.

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.