

SAFETY DATA SHEET (SDS)
Revision Date: 01/24/2023
Revision Number: 3



SAFETY DATA SHEET

Section 1. Product and Company Identification

Product Identifier

Product Form: Mixture

Product Name: HB-1160 Starfilm

Product Grades: All Oils / All Grades

Synonyms: Gear Oil

Intended Use of the Product

Gear Oil

Name, Address, and Telephone of the Responsible Party

Company

H&B Industries, Inc.

PO Box 29838

Dallas, TX 75229

(214) 350-1984

Emergency Telephone Number Emergency

Number : INFOTRAC 800-535-5053

Section 2. Hazards Identification

Emergency Overview

Appearance Red Liquid

Physical State Liquid

Odor Mild petroleum odor

Potential Health Effects

Principal Routes of Exposure

Eye contact, Skin contact, Inhalation, Ingestion

Acute Toxicity

Eyes

Eye contact may result in slight irritation and redness.

Skin

Minimally irritating upon direct contact.

Inhalation

Low hazard at standard temperatures and pressures. Inhalation of oil mist or fumes can cause irritation of the nose, throat and upper respiratory tract

Ingestion

Do not ingest. May cause nausea, vomiting and diarrhea.

Other

On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptomatic as a result of repeated small aspirations.

Chronic Effects

Prolonged exposure may cause chronic effects.

Aggravated Medical Conditions

Personnel with pre-existing skin disorders should avoid contact with this product.

Environmental Hazard

See Section 12 for additional Ecological Information.

Section 3. Composition/Information on Ingredients

Formula Mixture

Chemical Name	CAS-No	Weight %
Solvent-Dewaxed Heavy Paraffinic Distillates (Petroleum)	64742-65-0	40-85
Hydrotreated Distillates, Heavy Paraffinic	64742-54-7	5-25
Additive Package	Mixture	3-10

Section 4. First Aid Measures

Eye Contact	Flush with large amounts of water for 15 minutes. Get medical attention if eye irritation develops or persists.
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention immediately if skin discoloration occurs.
Inhalation	If affected, remove individual to fresh air. If not breathing, give mouth-to-mouth resuscitation.
Ingestion	CALL PHYSICIAN IMMEDIATELY. Never give anything by mouth to an unconscious person. Don't induce vomiting except at the instructions of the physician.
Notes to Physician	Treat symptomatically.

Section 5. Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable but will support combustion.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.

Other Information: Refer to Section 9 for flammability properties.

Reference to Other Sections

Refer to section 9 for flammability properties.

Section 6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.
Methods for Containment	Dike far ahead of liquid spill for later disposal.
Methods for Cleaning Up	Pick up free liquid for recycle and/or disposal. Residual liquid and/or solid can be absorbed on inert material.
Evacuation Procedures Large Spill	Consider initial downwind evacuate for at least 300 meters (1000 feet).

Fire If tank, rail car or tank car is involved in a fire, isolate for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions.

Reporting Requirements Spills that enter a water body must be reported immediately to the USEPA's National Response Center at (800)424-8802. Check with your local and state regulators regarding their reporting requirements.

Section 7. Handling and Storage

Handling Do not pressure, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode. See NFPA 30 and OSHA 1910.106 – flammable and combustible liquids.

Storage Store away from heat, sparks, open flame, or strong oxidizing agents in closed and properly labeled containers. Empty containers retain product residue (liquid, and/or vapor) and can be dangerous

Section 8. Exposure Controls/Personal Protection

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles. Gloves.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use

Section 9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Amber
Odor	: Slight Hydrocarbon
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Boiling Point	: Not available
Flash Point	: 204C / 400C
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: 0.85

Solubility	: Negligible
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Viscosity, Kinematic	: Not available
Explosive Properties	: Product is not explosive
Explosion Data – Sensitivity to Mechanical	: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge

Section 10. Stability and Reactivity

Stability	Stable under recommended storage conditions.
Incompatible Products	Open Flame and strong oxidizing agents.
Conditions to Avoid	Heat, flames, and sparks.
Hazardous Decomposition Products	Decomposition and combustion products may include smoke, carbon dioxide, carbon monoxide, and other low molecular weight hydrocarbons.
Hazardous Polymerization	None under normal processing.

Section 11. Toxicological Information

Acute Toxicity	
Product Information	Test on similar materials show a low order of acute oral and dermal toxicity.
Acute Oral Effects	Test on similar materials indicates low order of acute toxicity.
Acute Inhalation Effects	Low acute toxicity expected on inhalation.
Skin Effects	Practically non-toxic if absorbed. Other similar highly refined products have not shown skin tumors in mouse skin painting studies.
Eye Irritation	Minimal irritation on contact. Eye irritation slightly or practically non-irritating base on similar products.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Solvent-Dewaxed Heavy Paraffinic Distillates (Petroleum) 64742-65-0	Rat >2000 mg/kg	Rabbit >2000 mg/kg	Rat > 2.18 mg/L 4 hours

Chronic Toxicity

Chronic Toxicity	Prolonged exposure may cause chronic effects.
Carcinogenicity	Not considered a potential carcinogen base on IP346 DMSO of less than 3.0wt%
Target Organ Effects	Respiratory system, Eyes, Skin
Genotoxicity	This product is considered non-mutagenic and has negative potential for tumor development based on from Modified Ames Assay, with Mutagenic Index of less than 1.0.

Section 12. Ecological Information

Ecotoxicity

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.

Section 13. Disposal Considerations

Waste Disposal Method Dispose of in accordance with local regulations. Keep this product out of sewers and waterways.

Contaminated Packaging Dispose of in accordance with local regulations.

Section 14. Transport Information

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

Section 15. Regulatory Information

US Federal Regulations

SARA Section 311/312 Hazard Classes	Not classified
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US State Regulations

None noted

Canadian Regulations

WHMIS Classification	Not Classified
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Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

Section 16. Other Information

Prepared By Brian Johnson

Issuing Date June 28, 2010

Revision Date January 24, 2023

Revision Note Not applicable

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.