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High Temp Grease 1

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Dilmar High Temp Grease 1

Part Number: DOCHT1-5; 914RB400; DOCHT1-B

Distributor: Dilmar Oil Co., Inc. 1951 W. Darlington St. Florence, SC 29501

800-922-5823

Emergency Phone Number: During normal business hours – 800-922-5823

Recommend Uses: Industrial grease

SECTION 2. HAZARD(S) IDENTIFICATIONS

Emergency Overview

Appearance	Semi-solid
Color	Red
Odor	Slight hydrocarbon

GHS Classification:

Not a hazardous substance or mixture.

GHS Label Elements:

Not a hazardous substance or mixture.

Potential Health Effects

Primary Routes of Entry: Eye contact
Ingestion
Inhalation
Skin contact

Aggravated Medical Condition: None Known

Other hazards which do not result in classification

No Data Available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture: Mixture

Hazardous component(s)

Chemical Name	CAS-No.	Concentration (%)
Sulphurized isobutylene	68511-50-2	< 1.0 %

SECTION 4. FIRST-AID MEASURES

If inhaled: Move to fresh air.
Artificial respiration and/or oxygen may be necessary.
Seek medical advice.

In case of skin contact: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Wash clothing before reuse.
Seek medical advice.



In case of eye contact:	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
If swallowed:	Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice.
Most important symptoms and effects, both acute and delayed:	First aider needs to protect himself.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:	Water spray (fog), dry chemical, foam, or carbon dioxide, sand to extinguish flames.
Unsuitable extinguishing media:	Water stream may splash burning liquid and spread fire.
Specific hazards during firefighting:	Cool closed containers exposed to fire with water spray.
Hazardous combustion products:	A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide may be evolved if incomplete combustion occurs. Unidentified organic and inorganic compounds.
Further information:	Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, Protective equipment and Emergency procedures:	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.
Environmental precautions:	If the product contaminates rivers and lakes or drains inform Respective authorities.
Methods and materials for containment and cleaning up:	Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation. Contact the proper local authorities.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Keep away from heat and sources of ignition. Keep container closed when not in use.
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Conditions for safe storage: Store in original container.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Keep in a dry, cool and well-ventilated place.
Keep in properly labelled containers.
To maintain product quality, do not use in heat or direct sunlight.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Components with workplace control parameters

Material	Source	Type	ppm	mg/m ³	Notation
Lithium hydroxide mono hydrate	AIHA WEEL	Ceiling		1.8 mg/m ³	
Mineral Oil	ACGIH	TWA-vacated and TWA		5.0 mg/m ³	
Sulfurized isobutylene	ACGIH	TWA, 8hrs	1 ppm		
Zinc alkyl dithiophosphate	ACGIH	TWA		5.0 mg/m ³	

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Filter type: Organic vapor filter

Hand protection material: Neoprene, Nitrile, Polyvinyl Alcohol (PVA), Viton(R).

Remarks: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection: Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Protective measures: Wash hands and face before breaks and immediately after handling the product. Wash contaminated clothing before re-use. Ensure that eyewash station and safety shower are proximal to the work-station location.

Hygiene measures: Remove and wash contaminated clothing and gloves, including the inside, before re-use.
Wash face, hands and any exposed skin thoroughly after handling.



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Semi-solid
Color:	Red
Odor:	Slight hydrocarbon
Odor Threshold:	No data available
pH:	No data available
Pour point:	No data available
Melting point/freezing point:	No data available
Boiling point/boiling range:	No data available
Flash Point:	400 °F / 204 °C (COC)
Fire Point:	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Evaporation Rate:	No data available
Flammability:	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure:	< 0.13 kPa (< 1 mm Hg)
Relative vapor density:	< 1 (air=1)
Density:	No data available
Solubility (ies):	
Water solubility:	No data available
Partition coefficient: n- Octanol/water	No data available.
Viscosity	
Viscosity, Kinematic:	No data available
Explosive properties:	Not classified

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions:	Hazardous polymerization does not occur. Stable under normal conditions.
Conditions to avoid:	No data available
Incompatible materials:	Reactive with oxidizing agents, acids, alkalis and reducing agents.
Hazardous decomposition products:	Not expected to form during normal storage.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product:

Acute oral toxicity	LD 50 (rat) > 5000 mg/kg (literature) Remarks: Expected to be low toxicity
Acute dermal toxicity	LD 50 (rat) > 3000 mg/kg (literature) Remarks: Expected to be low toxicity
Acute inhalation toxicity	Remarks: No data available

**Skin corrosion/irritation****Product:**

Remarks: Expected to be slightly irritating. Prolong/repeated contact with skin without adequate cleaning may clog the pores of the skin, may result disorder such as oil acne/folliculitis.

Serious eye damage/eye irritation**Product:**

Remarks: Expected to be slightly irritating

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity**Product:**

Remarks: Not expected to be carcinogenic.

Remarks: Product contains mineral oils of types shown to be non-carcinogenic in animal skin painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish: Remarks: No data available

Toxicity to daphnia and other:
aquatic invertebrates Remarks: No data available

Toxicity to algae: Remarks: No data available

Toxicity to bacteria: Remarks: No data available

Persistence and degradability**Product:**

Biodegradability: Remarks: No data available

Bioaccumulative potential

May contain component that bioaccumulate.

Mobility in soil

Product is semi-solid in nature in most conditions and may absorb to soil and may not be mobile.

**Other adverse effects**

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues:

The product should not be allowed to enter drains, water courses or the soil.

Offer surplus and non-recyclable solutions to a licensed disposal company.

Waste must be classified and labelled prior to recycling or disposal.

Send to a licensed waste management company.

Dispose of as hazardous waste in compliance with local and national regulations.

Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

Contaminated packaging:

Do not re-use empty containers.

SECTION 14. TRANSPORTATION INFORMATION**International Regulation****IATA-DGR**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

49 CFR

Not regulated as a dangerous good

TDG

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION**OSHA Hazards:**

Not considered hazardous

SARA (302/304):

No products were found

SARA (311/312):

Acute health hazard (Immediate)

Chronic health hazard (delayed)

Component	Fire Hazard	Sudden release of pressure	Reactive	Acute health hazard	Delayed health hazard
Base Oil	No	No	No	No	Yes
Lithium hydroxide	No	No	No	Yes	Yes
Sulfurized isobutylene	Yes	No	No	Yes	Yes

SARA (313) Toxic Release Inventory: This material may contain chemical(s) regulated under SARA.



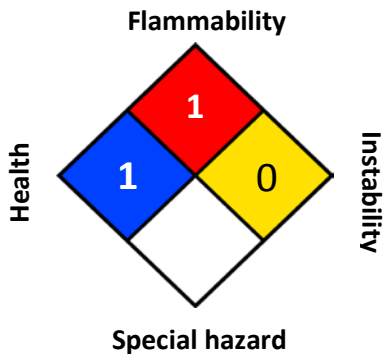
The components of this product are reported in the following inventories:

DSL	All components are listed or exempted
TSCA	All components are listed or exempted
IECSC	All components are listed or exempted
EINECS	All components are listed or exempted

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

Prepared by: Dilmar Oil Co., Inc.

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