

**SAFETY DATA SHEET**SDS:
344015**GulfELITE HT RED GREASE, No.2**

Issuing Date 01-07-2020

Revision Date 05/21/2021

Revision Number 3.1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product Identifier****Product Name** GulfELITE HT RED GREASE, No.2**Other means of identification****Synonyms** No information available**Recommended use of the chemical and restrictions on use****Identified uses** Lubricant**Uses advised against** Consumer use**Details of the supplier of the safety data sheet****Manufacturer**Nu-Tier Brands, Inc.
8282 S. Memorial Dr., Suite 302
Tulsa, OK 74133
1-877-771-5823 (For Product Information)
www.nu-tierbrands.com**Emergency Telephone Number**CHEMTREC: 1-800-424-9300 (NORTH AMERICA)
+1-703-527-3887 (INTERNATIONAL)

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2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Emergency Overview Signal Word		
Hazard Statements None		
Appearance: red	Physical state Paste	Odor Hydrocarbon-like

Precautionary Statements - Prevention

None.

Response

None.

Eyes

None.

Skin

None.

Inhalation

None.

Ingestion

None.

Fire

None.

Spill

None.

Storage

None.

Disposal

None.

Hazards not otherwise classified (HNOC)

None

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	50 - 60
Petroleum distillates, solvent dewaxed heavy	64742-65-0	30 - 40

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paraffinic		
2,6-di-tert-butylphenol	128-39-2	0.1 - 1
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	0.1 - 1

The producer of "344015" GulfELITE HT RED GREASE, No.2 declares that it contains less than 3% DMSO extractable material by IP-346

4. FIRST AID MEASURES

First Aid Measures

General Advice	If symptoms develop move victim to fresh air. Show this safety data sheet to the doctor in attendance. Do not breathe dust/fume/gas/mist/vapors/spray.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Call a physician if irritation persists.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
Protection of First-aiders	Use personal protective equipment.

Most important symptoms and effects, both acute and delayed

Symptoms None known.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	260 °C / 500 °F
Suitable Extinguishing Media	Water spray, Carbon dioxide (CO2), Foam, Dry chemical
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Specific Hazards Arising from the Chemical	Thermal decomposition can lead to release of irritating gases and vapors.

Explosion Data

Sensitivity to Mechanical Impact Not impact sensitive.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

Protective Equipment and Precautions for Firefighters Wear self-contained breathing apparatus and protective suit.

NFPA

Health Hazard 1

Flammability 1

Stability 1

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment and emergency procedures

Personal Precautions Do not touch or walk through spilled material. Remove all sources of ignition.

Environmental Precautions

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

Methods for Cleaning up Use personal protective equipment. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Prevent vapor buildup by providing adequate ventilation during and after use. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible products. Strong oxidizing agents. Strong acids. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	TWA: 5 mg/m ³	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 2500 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0	TWA: 5 mg/m ³	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 2500 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³
antimony dialkyldithiocarbamate 15890-25-2	TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³ (vacated) TWA: 0.5 mg/m ³	IDLH: 50 mg/m ³ TWA: 0.5 mg/m ³
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	TWA: 5 mg/m ³	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 2500 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³
Naphthalene 91-20-3	TWA: 10 ppm S*	TWA: 10 ppm TWA: 50 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m ³ (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m ³	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m ³ STEL: 15 ppm STEL: 75 mg/m ³

Aniline 62-53-3	TWA: 2 ppm S*	TWA: 5 ppm TWA: 19 mg/m ³ (vacated) TWA: 2 ppm	IDLH: 100 ppm
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		(vacated) TWA: 8 mg/m ³ (vacated) S* S*	
Ethyl benzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m ³	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³
1,4-Dioxane 123-91-1	TWA: 20 ppm S*	TWA: 100 ppm TWA: 360 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 90 mg/m ³ (vacated) S* S*	IDLH: 500 ppm Ceiling: 1 ppm Ceiling: 3.6 mg/m ³
Benzene 71-43-2	STEL 2.5 ppm TWA: 0.5 ppm S*	TWA: 10 ppm TWA: 1 ppm (vacated) TWA: 10 ppm (vacated) STEL: 50 ppm (vacated) Ceiling: 25 ppm Ceiling: 25 ppm STEL: 5 ppm	IDLH: 500 ppm TWA: 0.1 ppm STEL: 1 ppm
Ethylene oxide 75-21-8	TWA: 1 ppm	TWA: 1 ppm STEL: 5 ppm	IDLH: 800 ppm Ceiling: 5 ppm Ceiling: 9 mg/m ³ TWA: 0.1 ppm TWA: 0.18 mg/m ³
Propylene oxide 75-56-9	TWA: 2 ppm	TWA: 100 ppm TWA: 240 mg/m ³ (vacated) TWA: 20 ppm (vacated) TWA: 50 mg/m ³	IDLH: 400 ppm

Appropriate engineering controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Tightly fitting safety goggles.

Skin and Body Protection

Long sleeved clothing. Protective gloves.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Paste

Appearance

Red

Odor

Hydrocarbon-like

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Odor threshold No information available

Property

pH
Melting Point / Freezing Point
Boiling Point/Range
Flash Point
Upper flammability limit:
Lower Flammability Limit
Vapor pressure
Vapor Density
Specific Gravity
Water solubility
Partition Coefficient: n-octanol/water
Autoignition Temperature
Decomposition Temperature
Viscosity, kinematic

Property

6 - 8
No data available
no data available
260 °C / 500 °F
No data available
No data available
No data available
< 1 (Air = 1)
0.95
negligible
no data available
No data available
No data available
not applicable

10. STABILITY AND REACTIVITY

Reactivity No information available

Chemical stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Conditions to Avoid Heat, flames and sparks. Contact with other chemicals

Incompatible Materials Strong oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Product does not present an acute toxicity hazard based on known or supplied information

Inhalation May cause irritation of respiratory tract.

Eye Contact Contact with eyes may cause irritation.

Skin Contact May cause irritation.

Ingestion There is no data available for this product.

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	> 5000 mg/kg (Rat) > 24 g/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2062 ppm (Rat) 4 h
Petroleum distillates, solvent dewaxed heavy paraffinic	> 15000 mg/kg (Rat) > 24 g/kg (Rat)	> 5000 mg/kg (Rabbit)	> 2400 mg/m ³ (Rat) 4 h = 2062 ppm (Rat) 4 h

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64742-65-0			
2,6-di-tert-butylphenol 128-39-2	> 5000 mg/kg (Rat)	> 10 g/kg (Rabbit)	-
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	> 15 g/kg (Rat) > 24 g/kg (Rat)	> 5000 mg/kg (Rabbit)	= 2062 ppm (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

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

The producer of "344015" GulfELITE HT RED GREASE, No.2 declares that it contains less than 3% DMSO extractable material by IP-346.

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity No information available.

Chemical name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	-	-	-	-

Reproductive toxicity No information available.

Target Organ Effects Respiratory system, Eyes, Skin.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 41707 mg/kg
ATEmix (dermal) 16309 mg/kg
ATEmix (inhalation-dust/mist) 2.6 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	-	-	-	-
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0	-	-	-	-
2,6-di-tert-butylphenol 128-39-2	-	-	-	EC50 = 0.45 mg/L 48 h
Petroleum distillates, hydrotreated heavy paraffinic	-	-	-	-

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64742-54-7			
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Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility The product is insoluble and floats on water.

Chemical name	Log Pow
Aniline 62-53-3	0.9
Naphthalene 91-20-3	3.6
Ethyl benzene 100-41-4	3.2
Toluene 108-88-3	2.7
1,4-Dioxane 123-91-1	-0.42
Benzene 71-43-2	2.1
Ethylene oxide 75-21-8	-0.3
Propylene oxide 75-56-9	0.08

Other Adverse Effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods Dispose of in accordance with local regulations.

Contaminated Packaging Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Naphthalene 91-20-3	U165	Included in waste streams: F024, F025, F034, F039, K001, K035, K060, K087, K145 Included in waste stream: K022		
Aniline 62-53-3	U012	Included in waste streams: F039, K083, K103, K104, K112, K113, K181		ignitable waste, toxic waste
Ethyl benzene 100-41-4		Included in waste stream: F039		
Toluene 108-88-3	U220	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151		
1,4-Dioxane 123-91-1	U108	Included in waste stream: F039		
Benzene 71-43-2	U019	Included in waste streams: F005, F024, F025, F037, F038, F039, K085, K104, K105, K141, K142, K143, K144, K145, K147, K151, K159, K169, K171, K172	0.5 mg/L regulatory level	ignitable waste, toxic waste

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Ethylene oxide 75-21-8	U115	Included in waste stream: F039	ignitable waste, toxic waste
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Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Naphthalene 91-20-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	
Toluene 108-88-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical name	California Hazardous Waste Status
antimony dialkyldithiocarbamate 15890-25-2	Toxic
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts 85940-28-9	Toxic
Naphthalene 91-20-3	Toxic
Aniline 62-53-3	Toxic
Ethyl benzene 100-41-4	Toxic Ignitable
Toluene 108-88-3	Toxic Ignitable
1,4-Dioxane 123-91-1	Toxic Ignitable Reactive
Benzene 71-43-2	Toxic Ignitable
Ethylene oxide 75-21-8	Toxic Ignitable

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Propylene oxide 75-56-9	Reactive Toxic Ignitable
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14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Not determined
NDSL	Complies
EINECS	Not determined
ELINCS	Not determined
ENCS	Not determined
IECSC	Complies
KECL	Not determined
PICCS	Not determined
AICS	Not determined

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values %
antimony dialkyldithiocarbamate - 15890-25-2	15890-25-2	0.93	1.0
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts - 85940-28-9	85940-28-9	0.3	1.0
Naphthalene - 91-20-3	91-20-3	0.0003	0.1
Aniline - 62-53-3	62-53-3	0.0003	1.0
Benzene - 71-43-2	71-43-2	3e-007	0.1
Ethylene oxide - 75-21-8	75-21-8	3e-007	0.1
Propylene oxide - 75-56-9	75-56-9	3e-007	0.1
Ethyl benzene - 100-41-4	100-41-4	3e-007	0.1
Toluene - 108-88-3	108-88-3	3e-007	1.0
1,4-Dioxane - 123-91-1	123-91-1	3e-007	0.1

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SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
antimony dialkyldithiocarbamate 15890-25-2		X		
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts 85940-28-9		X		
Naphthalene 91-20-3	100 lb	X	X	X
Aniline 62-53-3	5000 lb			X
Ethyl benzene 100-41-4	1000 lb	X	X	X
Toluene 108-88-3	1000 lb	X	X	X
Benzene 71-43-2	10 lb	X	X	X
Propylene oxide 75-56-9	100 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Naphthalene 91-20-3	100 lb 1 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
Aniline 62-53-3	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Ethyl benzene 100-41-4	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ
Toluene 108-88-3	1000 lb 1 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
1,4-Dioxane 123-91-1	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ
Benzene 71-43-2	10 lb	-	RQ 10 lb final RQ RQ 4.54 kg final RQ
Ethylene oxide 75-21-8	10 lb	10 lb	RQ 10 lb final RQ RQ 4.54 kg final RQ
Propylene oxide 75-56-9	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

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U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name	California Prop. 65
Aniline - 62-53-3	Carcinogen
Naphthalene - 91-20-3	Carcinogen
Ethyl benzene - 100-41-4	Carcinogen
Toluene - 108-88-3	Developmental
1,4-Dioxane - 123-91-1	Carcinogen
Benzene - 71-43-2	Carcinogen Developmental Male Reproductive
Ethylene oxide - 75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive
Propylene oxide - 75-56-9	Carcinogen

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

NFPA

Health hazard 1

Flammability 1

Stability 1

16. OTHER INFORMATION

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet

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Reason for revision

General Information.

