



SDS - Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Gulfsol[®]
Other means of identification: Odorless Mineral Spirits
SDS Number: 380033
CAS Number: Blend
CHEMTREC: EMERGENCY CONTACT 1-800-424-9300

Supplier:
Nu-Tier Brands, Inc., Tulsa, OK
Under License from Gulf Oil LP
TECHNICAL CONTACT NUMBER: 918-550-8026, Ext. 507
www.gulflubricants.net

2. HAZARDS IDENTIFICATION

GHS Hazards

Flammable liquids – Category 4
Aspiration Hazard – Category 1

LABEL ELEMENTS

Hazard symbols:



Signal word: Danger

Hazard statements: H227 Combustible liquid
H304 May be fatal if swallowed and enters airway

Precautionary statements

Prevention: P210 Keep away from open flames/hot surfaces. – No smoking.
P280 Wear protective gloves/ eye protection/ face protection.

Response: P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.

Storage: P403 + P405 + P235 Store locked up in a well-ventilated place. Keep cool.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Concentration
Distillates, petroleum, hydrotreated light	64742-47-8	100%

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.



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SKIN CONTACT FIRST AID:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

INHALATION FIRST AID:

Move exposed person to fresh air.

INGESTION FIRST AID:

DO NOT INDUCE VOMITING. If conscious, rinse out mouth with water.

SYMPTOMS(Acute and delayed):

Exposure to high concentrations of vapors may cause irritation to the eyes, nose and throat, nausea, and dizziness.

NOTES TO PHYSICIAN:

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIREFIGHTING MEASURES

NFPA 704 Hazard Class

Health: 1

Flammability: 2

Instability: 0



0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)
4 (Severe)

Flash Point: 135°F / 57°C

Flash Point Test Method: TAG, Closed Cup ASTM D-56

SUITABLE EXTINGUISHING MEDIA:

Use dry chemical, CO₂, water spray (FOG) or foam.

UNSUITABLE EXTINGUISHING MEDIA:

Avoid solid water stream as it may scatter and spread fire.

SPECIFIC HAZARDS ARISING FROM CHEMICAL:

Elevated temperatures can lead to the formation of irritating vapors. Decomposing products may include the following materials: Carbon dioxide and Carbon monoxide.

This product is a static accumulating liquid. Static accumulating liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor may cause flash fire. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Restrict flow velocity to avoid build-up of static charge. Refer to NFPA 77, API 2003, and CENELEC CLC/TR 50404 for further guidance.

FIRE FIGHTING INSTRUCTIONS:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material.

Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

ENVIRONMENTAL PRECAUTIONS

Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.



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METHODS FOR CONTAINMENT

Stop leak if without risk. Use absorbent pads or earthen dams to contain.

METHODS FOR CLEANUP

A vapor suppressing foam may be used to reduce vapors. Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled container.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Use non-sparking tools.

STORAGE PRECAUTIONS:

Store in accordance with local regulations. Store in a segregated and approved area. Keep in the original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials. Do not store in unlabeled containers. Store and use away from heat, sparks, open flame or any other ignition source. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers that retain product residue may be hazardous.

INCOMPATIBILITIES:

Oxidizing Agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES:

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

PERSONAL PROTECTIVE EQUIPMENT

Eyes: Wear as appropriate: Goggles, Face shield

Skin: Wear suitable protective clothing, gloves and eye/face protection.

Inhalation: Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

EXPOSURE GUIDELINES

Contains no substances with occupational exposure limit values. The following Sasol internal standard would apply: 100 ppm (525 mg/m³) for 8-hour TWA (Exposure limits for Petroleum Distillates – Stoddard Solvent)



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9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Data represents typical values and are not intended to be specifications.

Appearance:	Liquid
Color:	Clear
Form:	Liquid
Odor:	Hydrocarbon-like
Odor Threshold:	No data available
Flash Point:	Average 57°C, 135°F; ASTM D-56
Flammability:	Upper explosion limit: 7.0% (V) Lower explosion limit: 0.7% (V)
Boiling Point/Boiling range:	192-211°C, 376-412°F; ASTM D-86; ASTM D-86
Melting Point/Range:	<-70°C, <-94°F; ASTM D-2386
Auto-ignition temperature:	233°C, 453°F; ASTM E-659
Decomposition Temp.:	Not available
Flammability (solid, gas):	Not available
Vapor Pressure:	0.32 mm Hg @ 68°F (20°C); API Calculation
Vapor Density:	5.4
Density:	0.803 g/cm ³ @ 15.5°C, 60°F; ASTM D-287
Specific Gravity:	Not available
Water Solubility:	Negligible
Viscosity:	1.8 cSt @ 20°C, 68°F; ASTM D-445
pH:	Not available
Evaporation Rate:	Not available
Partition coefficient:	Not available
	n-octanol/water

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions. If heated, product's static accumulation will rise and could cause flash fire.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Strong acids and oxidizing materials

DECOMPOSITION:

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

CONDITIONS TO AVOID:

High temperatures, flames, sparks

11. TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE

RESPIRATORY IRRITATION:

An inhalation hazard may only arise if product is used in aerosol conditions or if heated up. If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and upper respiratory tract.

EYE IRRITATION:

Causes mild eye irritation that is reversible with proper care.



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SKIN IRRITATION:

Causes mild skin irritation that is reversible with proper care.

SENSITIZATION:

Not expected to cause skin or respiratory sensitization.

ASPIRATION HAZARD:

If swallowed can be aspirated into lungs and cause chemical pneumonia, varying degrees of pulmonary injury or death. If swallowed, do NOT induce vomiting.

CHRONIC EXPOSURE

TARGET ORGAN EFFECTS:

Vapor/aerosol concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death.

Prolonged or repeated direct exposure to the skin results in symptoms of irritation and redness, dermatitis or oil acne.

CARCINOGENICITY:

No data available to indicate product or any components present at greater than .1% are carcinogenic.

MUTAGENICITY:

No data available to indicate product or any components present at greater than .1% are mutagenic or genotoxic.

REPRODUCTIVE TOXICITY:

No data available to indicate either product or components present at greater than .1% that may cause reproductive toxicity.

TERATOGENICITY:

No data available to indicate product or any components contained at greater than .1% may cause birth defects.

ANALYSIS – LD50 / LC50

Inhalation LC50 Rat	>5 mg/L (4Hr mist)
Oral LD50 Rat	>5000 mg/kg
Dermal LD50 Rabbit	>2000 mg/kg

12. ECOLOGICAL INFORMATION

COMPONENT ANALYSIS- ECOTOXICITY – AQUATIC LIFE:

<u>Duration/Test/Species</u>	<u>Concentration/Conditions</u>
96 hr LL50 <i>Oncorhyncus mykiss</i>	8.2 mg/L
48 hr EL50 <i>Oncorhyncus mykiss</i>	32 mg/L
96 hr EL50 <i>Scenedesmus subspicatus</i>	45 mg/L
Chronic Survival NOELR Aquatic Vertebrates	2.6 mg/L
Chronic Growth NOELR Aquatic Vertebrates	2.6 mg/L
Chronic Survival NOELR <i>Daphnia magna</i>	16 mg/L
Chronic Reproduction EL 50 <i>Daphnia magna</i>	10 mg/L
Chronic reproduction NOELR <i>Daphnia magna</i>	2.6 mg/L

PERSISTENCE & DEGRADABILITY

Inherently biodegradable

BIOACCUMULATION POTENTIAL

Not Available

SOIL MOBILITY

Not Available



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13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Gulfsol®

D.O.T.: Not regulated. Product does not sustain combustion (49 CFR 173.120(b)(3)).

IATA: Not regulated

IMDG: Not regulated

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

Remarks: No data available

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA Hazards (HCS 1994)

Combustible liquid.

TSCA Inventory Listing

Components

Distillates, petroleum, hydrotreated light

CAS-No.

64742-47-8

SARA 302 Status

Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

CAS-No.

Weight Percent

SARA 311/312 Classification

"Fire hazard", "Immediate (acute) health hazard"

SARA 313 Chemical

Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CAS-No.

Weight Percent

US.EPA CERCLA Hazardous Substances (40 CFR 302)

Components

None

Reportable Quantity

Weight Percent

16. OTHER INFORMATION

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Nu-Tier Brands, Inc.. The data on this sheet are related only to the specific material designated herein. Nu-Tier Brands, Inc. assumes no legal responsibility for use or reliance upon these data.

END OF MSDS