

Olefin Sulfide (Proprietary)	
EC50 Daphnia 1	63 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (Algae)	> 100 mg/l (Exposure time: 72 h - Species: Alga)
Phosphoric acid esters/amine salt (Proprietary)	
LC50 Fish 1	24 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	91.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	8.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
ErC50 (Algae)	6.4 mg/l (Exposure time: 96 h - Species: Selenastrum capricornutum)
NOEC (Acute)	3.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
NOEC Chronic Fish	3.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
NOEC Chronic Crustacea	0.12 mg/l (Exposure time: 21 days - Species: Daphnia magna)
NOEC Chronic Algae	1.7 mg/l (Exposure time: 96 h - Species: Selenastrum capricornutum)
Mineral Oil (64742-54-7; 64742-65-0; 64742-55-8; or 64742-56-9)	
LC50 Fish 1	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	> 10000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (Algae)	> 100 mg/l (Exposure time: 72 h - Species: Scenedesmus quadricauda)
NOEC Chronic Crustacea	> 10 mg/l (Exposure time: 21 days - Species: Daphnia magna)
Alkenyl amine (Proprietary)	
LC50 Fish 1	0.11 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
LC50 Other Aquatic Organisms 1	0.9 mg/l (Exposure time: 96 h - Species: Cyprinodon variegatus)
EC50 Daphnia 1	0.011 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	1.3 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
ErC50 (Algae)	0.12 mg/l (Exposure time: 72 h - Species: Alga)
NOEC Chronic Crustacea	0.013 mg/l (Exposure time: 21 days - Species: Daphnia magna)
NOEC Chronic Algae	0.01 mg/l (Exposure time: 72 h - Species: Alga)
Phosphoric acid esters, amine salt (Proprietary)	
LC50 Fish 1	75 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	16 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (Algae)	32 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)
NOEC (Chronic)	1.6 mg/l (Exposure time: 21 days - Species: Daphnia magna)
NOEC Chronic Crustacea	10 mg/l (Exposure time: 48 h - Species: Daphnia magna)
NOEC Chronic Algae	5 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)

12.2. Persistence and Degradability

Star Tron Lubricants SAE 90	
Persistence and Degradability	May cause long-term adverse effects in the environment.
Olefin Sulfide (Proprietary)	
Persistence and Degradability	Not readily biodegradable.
Phosphoric acid esters/amine salt (Proprietary)	
Persistence and Degradability	Not readily biodegradable.
Mineral Oil (64742-54-7; 64742-65-0; 64742-55-8; or 64742-56-9)	
Persistence and Degradability	Not readily biodegradable.
Alkenyl amine (Proprietary)	
Persistence and Degradability	Readily biodegradable.
Phosphoric acid esters, amine salt (Proprietary)	
Persistence and Degradability	Readily biodegradable.

12.3. Bioaccumulative Potential

Star Tron Lubricants SAE 90	
Bioaccumulative Potential	Not established.
Olefin Sulfide (Proprietary)	
Log Kow	6
Alkenyl amine (Proprietary)	
BCF Fish 1	500 (Calculated)
Log Kow	4.33 (at 25 °C)

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12.4. Mobility in Soil

Star Tron Lubricants SAE 90	
Ecology - Soil	Not established.

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Star Tron Lubricants SAE 90	
SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation
Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Butene, homopolymer (9003-29-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. US State Regulations

Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)	
U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	
Butene, homopolymer (9003-29-6)	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 10/07/2019

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

GHS Full Text Phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3

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Asp. Tox. 1	Aspiration hazard Category 1
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 4	Flammable liquids Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	Skin sensitization, category 1B
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

NFPA Health Hazard

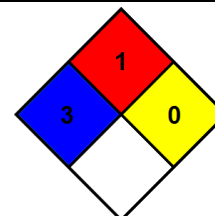
: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA Fire Hazard

: 1 - Materials that must be preheated before ignition can occur.

NFPA Reactivity Hazard

: 0 - Material that in themselves are normally stable, even under fire conditions.



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)