



Safety Data Sheet  
708 Premium R&O Industrial/Turbine Oil with  
SyntheonTM

SDS Revision  
Date: 02/01/2024

## 1. Identification

### 1.1. Product identifier

**Product Identity** 708 Premium R&O Industrial/Turbine Oil with  
SyntheonTM

**Alternate Names** 708

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use** See Technical Data Sheet.

### 1.3. Details of the supplier of the safety data sheet

**Company Name** Southwestern Petroleum Lubricants LLC  
3401 Quorum Drive, Suite 360  
Fort Worth, Texas 76137

### Emergency

**24 hour Emergency Telephone No.** 734 930-0009

**Customer Service: Southwestern Petroleum  
Lubricants LLC** Emergency numbers call Chemtrec 24/7 USA and  
Canada 1-800-424-9300 or 1-703-527-3887

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Skin Sens. 1;H317 May cause an allergic skin reaction.

### 2.2. Label elements



**Warning**

H317 May cause an allergic skin reaction.

### [Prevention]:

P261 Avoid breathing dust, fume, gas, mist, vapors, spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves, eye protection, face protection.

**[Response]:**

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or a rash occurs: Get medical advice or attention.

P362 Take off contaminated clothing and wash before reuse.

**[Storage]:**

No GHS storage statements

**[Disposal]:**

P501 Dispose of contents or container in accordance with local and national regulations.

<b>3. Composition/information on ingredients</b>
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This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Distillates Hydrotreated Heavy Paraffin CAS Number: 0064742-54-7	75 - 100	Not Classified	----
Distillate (petroleum) hydrotreated heavy naphthenic CAS Number: 0064742-52-5	75 - 100	Asp. Tox. 1;H304	----
Polybutene CAS Number: 0009003-29-6	1 - 5	Not Classified	----
1,3,4-thiadiazole, 2,5-bis(octyldithio)- CAS Number: 0013539-13-4	0.10 - 1.0	Skin Irrit. 2;H315 Skin Sens. 1;H317 Acute Tox. 4;H332 Eye Irrit. 2;H319	----

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

<b>Section 4. First aid measures</b>
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**4.1. Description of first aid measures****General**

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

**Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion**

If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

**4.2. Most important symptoms and effects, both acute and delayed**

**Overview**

Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. Check section 2.2 (GHS Label Elements) for further details.

**Skin**

May cause an allergic skin reaction.

<b>Section 5. Fire-fighting measures</b>
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**5.1. Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

**5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Avoid breathing dust, fume, gas, mist, vapors, spray.

**5.3. Advice for fire-fighters**

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

**ERG Guide No.** ----

<b>Section 6. Accidental release measures</b>
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**6.1. Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**6.2. Environmental precautions**

Do not allow spills to enter drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

<b>Section 7. Handling and storage</b>
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### 7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Strong oxidizing agents and acids.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]:

### 7.3. Specific end use(s)

No available information

## Section 8. Exposure controls / personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0009003-29-6	Polybutene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0013539-13-4	1,3,4-thiadiazole, 2,5-bis(octyldithio)-	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-52-5	Distillate (petroleum) hydrotreated heavy naphthenic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-54-7	Distillates Hydrotreated Heavy Parrafin	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 10 mg/m<sup>3</sup> ACGIH.

### 8.2. Exposure controls

**Respiratory** If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

**Eyes** Protective safety glasses recommended

**Skin** Avoid skin contact. Protective gloves recommended.

**Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Liquid
<b>Color</b>	Pale Amber
<b>Odor</b>	None
<b>Odor threshold</b>	No available information
<b>pH</b>	7.2
<b>Melting point / freezing point</b>	No available information
<b>Initial boiling point and boiling range</b>	Open Cup
<b>Flash Point</b>	Open cup
<b>Evaporation rate (Ether = 1)</b>	Nil
<b>Flammability (solid, gas)</b>	No available information
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> 0.9 <b>Upper Explosive Limit:</b> 7.0
<b>Vapor pressure (Pa)</b>	No available information
<b>Vapor Density</b>	>5
<b>Relative Density</b>	0.9
<b>Solubility in Water</b>	Not miscible in water.
<b>Partition coefficient n-octanol/water (Log Kow)</b>	No available information
<b>Auto-ignition temperature</b>	260C
<b>Decomposition temperature</b>	No available information
<b>Viscosity (cSt)</b>	ASTM D 445
<b>VOC Content</b>	None

## 9.2. Other information

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

## Section 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No available information

### 10.4. Conditions to avoid

Excessive heat and open flame.

### 10.5. Incompatible materials

Strong oxidizing agents and acids.

### 10.6. Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

## Section 11. Toxicological information

## Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Distillates Hydrotreated Heavy Paraffin - (64742-54-7)	> 5,000.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available	No data available	No data available
Distillate (petroleum) hydrotreated heavy naphthenic - (64742-52-5)	> 5,000.00, Rat - Category: NA	No data available	No data available	5.70, Rat - Category: NA	No data available
Polybutene - (9003-29-6)	> 10,000, Rat - Category: NA	No data available	No data available	No data available	No data available
1,3,4-thiadiazole, 2,5-bis(octylidithio)- - (13539-13-4)	No data available	No data available	No data available	No data available	No data available

## Carcinogen Data

CAS No.	Ingredient	Source	Value
0009003-29-6	Polybutene	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0013539-13-4	1,3,4-thiadiazole, 2,5-bis(octylidithio)-	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0064742-52-5	Distillate (petroleum) hydrotreated heavy naphthenic	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0064742-54-7	Distillates Hydrotreated Heavy Paraffin	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable

Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## Section 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Distillates Hydrotreated Heavy Parrafin - (64742-54-7)	101.00, Pimephales promelas	> 10,000, Daphnia magna	100.00 (72 hr), Pseudokirchneriella subcapitata
Distillate (petroleum) hydrotreated heavy naphthenic - (64742-52-5)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00 (96 hr), Scenedesmus subspicatus
Polybutene - (9003-29-6)	> 10,000, Leuciscus idus	101.00, Daphnia magna	101.00 (72 hr), Pseudokirchneriella subcapitata
1,3,4-thiadiazole, 2,5-bis(octylidithio)- - (13539-13-4)	Not Available	Not Available	Not Available

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

No available information

### 12.4. Mobility in soil

No available information

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No available information

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## Section 14. Transport information

**DOT (Domestic Surface  
Transportation)**

**IMO / IMDG (Ocean  
Transportation)**

**ICAO/IATA**

<b>14.1. UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No;		
<b>14.6. Special precautions for user</b>	No available information		

<b>Section 15. Regulatory information</b>
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**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act ( TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.



<b>Chemical Name (CAS Number)</b>	<b>US TSCA</b>	<b>Australia AICS</b>	<b>Korea ECL</b>	<b>EU EINECS</b>	<b>EU ELINCS</b>	<b>EU SVHC</b>	<b>EN NLP</b>	<b>Mexico INSQ</b>
Distillates Hydrotreated Heavy Parrafin (0064742-54-7)	Yes	Yes	Yes	Yes	No	No	No	Yes
Distillate (petroleum) hydrotreated heavy naphthenic (0064742-52-5)	Yes	Yes	Yes	Yes	No	No	No	Yes
Polybutene (0009003-29-6)	Yes	Yes	Yes	No	No	No	Yes	Yes
1,3,4-thiadiazole, 2,5-bis(octyldithio)- (0013539-13-4)	No	Yes	Yes	Yes	No	No	No	No

<b>Chemical Name (CAS Number)</b>	<b>China IECSC</b>	<b>Japan ENCS</b>	<b>Japan ISHL</b>	<b>Japan PDSCL</b>	<b>Japan PRTR 1</b>	<b>Japan PRTR 2</b>	<b>Philippines PICCS</b>	<b>New Zealand NZIOC</b>
Distillates Hydrotreated Heavy Parrafin (0064742-54-7)	Yes	Yes	No	No	No	No	Yes	Yes
Distillate (petroleum) hydrotreated heavy naphthenic (0064742-52-5)	Yes	No	No	No	No	No	Yes	Yes
Polybutene (0009003-29-6)	Yes	Yes	No	No	No	No	Yes	Yes
1,3,4-thiadiazole, 2,5-bis(octyldithio)- (0013539-13-4)	Yes	Yes	No	No	No	No	Yes	Yes

**Section 16. Other information**

**SDS Revision Date** 02/01/2024

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders

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