



Safety Data Sheet

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 20-May-2015

Revision Number 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code W30039
Product Name SWEPCO 304 Heavy Duty Low-Ash GEO Oil

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

Recommended Use Lubricant
Uses advised against Any non-label use

1.3. Details of the supplier of the safety data sheet

Importer	Manufacturer	Supplier
NV Southwestern Petroleum Europe SA Industrieweg 6 B-2390 Oostmalle BELGIUM www.swepcolube.com Email: swepco@edpnet.be Fax: 011-323-311-7277 Telephone: 011-323-312-3141	NV Southwestern Petroleum Europe SA Industrieweg 6 B-2390 Oostmalle BELGIUM www.swepcolube.com Email: swepco@edpnet.be Fax: 011-323-311-7277 Telephone: 011-323-312-3141	NV Southwestern Petroleum Europe SA Industrieweg 6 B-2390 Oostmalle BELGIUM www.swepcolube.com Email: swepco@edpnet.be Fax: 011-323-311-7277 Telephone: 011-323-312-3141

1.4. Emergency telephone number

Emergency Telephone Belgium Office: 011-323-312-3141
US Office: +01-817-332-2336

Emergency Telephone - §45 - (EC)1272/2008

Europe | 112

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Chronic aquatic toxicity Category 3 - (H412)

2.2. Label elements

Product Identifier
SWEPCO 304 Heavy Duty Low-Ash GEO Oil

Hazard statements
H412 - Harmful to aquatic life with long lasting effects

2.3. Other hazards

5.585% of the mixture consists of ingredient(s) of unknown toxicity.
5.249 % of the mixture consists of component(s) of unknown hazards to the aquatic environment
No other information available.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Name	EC No.	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Petroleum distillates, hydrotreated heavy paraffinic	265-157-1	64742-54-7	90 - 100%	Carc. 1B (H350)	05-2115856970-36-000
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based	276-737-9	72623-86-0	0 - 10%	Carc. 1B (H350)	None Required

* IMPORTANT NOTE: While this product contains base oil stocks which are generally classed as carcinogenics in the EU, the European Commission has stipulated that the classification of base oil stocks used in this product need not be identified as carcinogenic if the base oil stock has less than 3% DMSO extract as measured by IP 346. (See Note L, European Commission Directive 67/548/EEC as amended and adapted.) None of the base oils used in this product contain DMSO in a concentration of 3% or more; nor are they considered carcinogenic by the International Agency for Research on Cancer (IARC).

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES**4.1. Description of first aid measures**

Inhalation	Move to fresh air.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Ingestion	Clean mouth with water and afterwards drink plenty of water.

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

Symptoms	No other information available.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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Section 5: FIRE FIGHTING MEASURES**5.1. Extinguishing media****Suitable Extinguishing Media**

Foam. Dry chemical or CO₂. Cool containers with flooding quantities of water until well after fire is out.

Unsuitable Extinguishing Media

Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products

Hydrogen sulfide (H₂S) may be produced above 250° F (121° C). Decomposition and combustion products may be toxic.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ensure adequate ventilation.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Methods for Clean-up

Take up mechanically and collect in suitable container for disposal.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling

Ensure adequate ventilation.

General Hygiene Considerations

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible Materials

Strong oxidizing agents.

7.3. Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

If there are exposure limits set for any components of this product, they will be listed below. Keep in mind, however, that these exposure levels are for pure concentrations of these ingredients:

Derived No Effect Level (DNEL)

No other information available.

Predicted No Effect Concentration (PNEC)

No other information available.

8.2. Exposure controls

Engineering Controls	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/face Protection	Tightly fitting safety goggles.
Skin Protection	Long sleeved clothing.
Environmental exposure controls	No other information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical State	No other information available
Color	Purple
Odor	No other information available
Odor Threshold	No other information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No other information available	
Melting point / freezing point	No other information available	
Boiling Point/Range	293 °C	
Flash Point	179 °C	
Evaporation Rate	No other information available	
Flammability (solid, gas)	No other information available	
Flammability Limit in Air		
Upper flammability limit:	No other information available	
Lower flammability limit:	No other information available	
Vapor pressure	No other information available	
Vapor Density	> 5	
Relative density	0.9	
Water Solubility	No other information available	
Solubility in other solvents	No other information available	
Partition coefficient	No other information available	
Autoignition Temperature	260 °C	
Decomposition temperature	No other information available	
Kinematic viscosity @40C	No other information available	
Dynamic viscosity	No other information available	
Explosive Properties	No other information available	
Oxidizing Properties	No other information available	

9.2. Other information

Softening Point	No other information available
Molecular Weight	No other information available
Volatiles, % Vol	No data available
Density	No other information available
Bulk Density	No other information available

Section 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under normal conditions. Hazardous polymerization does not occur.

Explosion Data

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition productsHydrocarbons. Carbon monoxide. Hydrogen sulfide (H₂S) may be produced above 250° F (121° C).**Section 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Acute Toxicity****Product Information**

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

Inhalation	No data available.
Eye Contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Unknown acute toxicity

100% of the mixture consists of ingredient(s) of unknown toxicity.

99.625 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

99.625 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Skin Corrosion/Irritation No other information available.**Serious eye damage/eye irritation** No other information available.**Sensitization** No other information available.**Mutagenic Effects** No other information available.**Carcinogenic Effects** No other information available.

Chemical Name	EU Carc*
Petroleum distillates, hydrotreated heavy paraffinic	Carc. 1B
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based	Carc. 1B

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Reproductive Effects No other information available.**STOT - single exposure** No other information available.**STOT - repeated exposure** No other information available.

Aspiration hazard No other information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Unknown Aquatic Toxicity 5.249 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Freshwater Fish	Water Flea
Petroleum distillates, hydrotreated heavy paraffinic	-	5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based	-	5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

No other information available.

12.3. Bioaccumulative potential

No other information available.

12.4. Mobility in soil

Mobility in soil

No other information available.

12.5. Results of PBT and vPvB assessment

No other information available.

12.6. Other adverse effects

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products Dispose of in accordance with local regulations.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

Other Information According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG/IMO

14.1 UN-No Not Regulated
 14.2 Proper Shipping Name Not Regulated
 14.3 Hazard Class Not Regulated
 14.4 Packing Group Not Regulated
 14.5 Marine Pollutant Not applicable
 14.6 Special Provisions None
 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the No other information available

IBC Code**RID**

14.1 UN-No	Not Regulated
14.2 Proper Shipping Name	Not Regulated
14.3 Hazard Class	Not Regulated
14.4 Packing Group	Not Regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

ADR

14.1 UN-No	Not Regulated
14.2 Proper Shipping Name	Not Regulated
14.3 Hazard Class	Not Regulated
14.4 Packing Group	Not Regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

IATA

14.1 UN-No	Not Regulated
14.2 Proper Shipping Name	Not Regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not Regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

15.2. Chemical safety assessment

No other information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet**Full text of H-Statements referred to under section 3**

H350 - May cause cancer

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value
*	Skin designation

Classification procedure

Calculation method

Prepared By

Regulatory Compliance Department

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008.

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

End of Safety Data Sheet