SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

High performance suspension fluid

SECTION 1. Identification of the substance/mixture and of the company

1.1 Product identifier

Product name High performance suspension fluid
Article no: 01304
UFI code: X6KS-T0GV-200D-RXQP

1.2 Relevant identified uses of the product and uses advised against

Intended use: Lubricant

1.3 Details of the supplier of the safety data sheet

Manufacturer: ÖHLINS GROUP AB Box 722
SE-194 27 Upplands Väsby SWEDEN
Telefon +46 8 590 025 00
E-mail info@ohlins.se

1.4 Telephone emergency number:

In case of emergency, contact toxicological information, emergency tel 112.
For non-emergency poison information, see:
http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Acute toxicity; Categori 4 (inhalation); H332
Aspiration Hazard, Category 1, H304

2.2 Label elements

Classification according to regulation (EC) No. 1272/2008 (CLP)

Pictogram(s)



Signal word Danger

Contains Dec-1-en, dimerers, hydrogenated
(hydrocarbons, low viscous),
Hydrocarbons, C12-C18, isoalkanes, cyclics, 2-30% aromatics
(base oil)Hazard statements

Hazard statements

H332 Harmful if inhaled.
H304 May be fatal if swallowed and enters airways.

Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P284 Wear respiratory protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CEN-TER/doctor.
P331: Do NOT induce vomiting.
P405: Store locked up.
P501: Dispose of contents/ container to an approved facility in accord-ance with local, regional, national and international regulations.

2.3 Other hazards

This mixture does not contain any substances that meets the criteria for PBT or vPvB in accordance with Regulation (EC) No. 1907/2006, Annex XIII.

This mixture does not contain substances at ≥ 0,1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commision.

SECTION 3. Composition/information on ingredients

3.2 Mixtures

General information: Mixture containing severely refined base oils and additives.

Declaration of components according to Regulation (EC) No. 1272/2008

Chemical name	CAS No. EC No.	REACH Reg. No. Index No.	Conc. %	Classification
Dec-1-en, dimerers, hydrogenated (hydrocarbons, low viscous)	68649-11-6 500-228-5	01-2119493069-28 -	20-<50	Asp Tox.1; H304 Acute Tox 4; H332
Hydrocarbons, C12-C18, isoalkanes, cyclics, 2-30% aromatics (base oil)	- 954-225-2	01-2120920648-49 -	20-<50	Asp Tox.1; H304
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (base oil, low viscous)	8042-47-5 232-455-8	01-2119487078-27 -	1.0-<10	Asp Tox.1; H304*
Distillates (petroleum), hydrotreated heavy paraffinic (base oil, low viscous)	64742-54-7 265-157-1	01-2119484627-25 649-467-00-8	1.0-<10	Asp Tox.1; H304*
Phenolic antioxidant agent	128-39-2 204-884-0	01-2119490822-33 -	0.10-<0.25	Skin Irrit. 2; H315 Aquatic Acute 1; H400, Aquatic Chronic 1; H410

*Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Nota L/ Nota N of Annex VI of Regulation EC 1272/2008."
For full text of the H-statements see section 16 "Other information".

SECTION 4. First aid measures

4.1 Description of first aid measures

General: Instantly remove any clothing soiled by the product.

Inhalation: Fresh air and rest. If symptoms persist, seek medical attention.

Skin contact: Wash skin with soap and water.

Eye contact: Rinse carefully with water for several minutes. Remove any contact lenses if this can be done easily.

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment. Consult a doctor and show this safety data sheet.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO2, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added .

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3 Advice to firefighters

Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water inaccordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilera slutna utrymmen före tillträde. Se sektion 8 för anvisningar om personlig skyddsutrustning. Undvik att vistas på läsidan. Håll obehörig personal borta. In case of spills, beware of slippery floors and surfaces.

6.2 Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e.g. by binding or oil barriers). Environmental manager must be informed of all major spillages. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regula-tions. Stop the flow of material, if this is without risk.

6.4 Reference to other sections

See Section 8 for personal protection and Section 13 for disposal considerations, respectively.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up. Local regulations concerning handling and storage of waterpolluting products have to be followed. Do not heat up to temperatures close to the flash point.

7.3 Specific end use(s)

See Section 1.2.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

The national occupational exposure limit values that correspond to Union occupational exposure limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(3) of Commission Decision 2014/113/EU(5); EH40 (2005) latest update 2020. Lack of specific English Exposure Limit values. See general Swedish values:

Substances	ppm	mg/m^3	Interval	Category	Notes
Oil mist, oil smoke	-	1	8 hours	NGV	Swedish TWA
Oil mist, oil smoke	-	3	15 minutes	KGV	Swedish short term value
Dust mist-organic (inhalable fraction)	-	5	8 hours	NGV	Swedish TWA

8.2 Exposure control

8.2.1 Engineering controls

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below

recommended exposure limits. If exposure limits have not been established, maintain air-borne levels to an acceptable level.

8.2.2 Personal protection

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen accord-ing to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to inhandling the chemicals or the mineral oil products.

8.2.2.1 Eye protection

Safety glasses (EN 166) recommended during refilling. Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

8.2.2.2 Hand protection

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: >= 480 min
Recommended thickness of the material: >= 0,38 mm
Avoid long-term and repeated skin contact. Suitable gloves can be recom-mended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety direc-tions. The exact break through time has to be found out by the manufactur-er of the protective gloves and has to be observed.

Others

Do not carry cleaning cloths impregnated with the product in trouser pock-ets. Wear suitable protective clothing.

8.2.2.3 Respiratory protection

In case of inadequate ventilation, respiratory protection according EN standard 149 (full-face mask with gas filter type A-P3, brown) or breathing apparatus may be required.
Respirator type: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

8.2.2.4 Thermal hazard

Not known.

8.3 Environmental exposure control

See Section 6.2.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a	**Physical state**	Liquid
b	**Colour**	Pale yellow
c	**Odour/odour threshold**	Characteristic
d	**Melting point/Freezing point**	-54°C
e	**Initial boiling point/boiling range**	>116°C
f	**Flammability (solid, gas)**	No data available/not applicable
g	**Lower and upper explosion limit**	No data available/not applicable
h	**Flash point**	116°C (DIN EN ISO 2592)
i	**Auto-ignition temperature**	>216°C
j	**Decomposition temperature**	No data available/not applicable
k	**pH**	No data available/not applicable
l	**Kinematic viscosity**	11,5 mm2/s (40°C, DIN EN ISO 3104)
m	**Solubility**	Not soluble
n	**Partition coefficient (n-octanol/water)**	No data available/not applicable
o	**Vapour pressure**	No data available/not applicable
p	**Density and/or relative density**	0.84 g/cm^3 vid 15°C (DIN EN ISO 12185)
q	**Relative vapour density**	No data available/not applicable
r	**Particle characteristics**	No data available/not applicable

9.2 Other information

No more data.

SECTION 10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage and usage conditions.

10.2 Chemical stability

Stable under recommended storage and usage conditions.

10.3 Possibility of hazardous reactions

Stable under recommended storage and usage conditions.

10.4 Conditions to avoid

Stable under recommended usage conditions.

10.5 Incompatible materials

Oxidising agents. Strong acids. Strong bases.

10.6 Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological tests have been performed on the product.

Classified as harmful if inhaled accordning data and ATE calculations.

ATE_{oral}:>2000 mg/kg
ATE_{dermal}:>2000 mg/kg
$ATE_{inhalation}$: >5.0mg/l

General toxicological information

Hazardous components CAS no.	Value Type	Value	Route of exposure	Exposure time	Species	Method
Dec-1-en, dimerers, hydrogenated (hydrocarbons, low viscous)	LD50	>5001 mg/kg	Oral		Råtta	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	LD50	>5000 mg/kg	Oral		Råtta	
Phenolic antioxidant agent	LD50	8 697 (>5000) mg/kg	Oral		Rat	
Distillates (petroleum), hydrotreated heavy paraffinic	LD50	>5000 mg/kg	Dermal		Rabbit	
Phenolic antioxidant agent	LD50	>5000 mg/kg	Dermal		Rabbit	
Dec-1-en, dimerers, hydrogenated (hydrocarbons, low viscous)	LC50	1.17 mg/l	Inhalation	4h	Rat	

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity: Harmful if inhaled.
Skin corrosion/irritation: Not classified
Serious eye damage/eye irritation: Not classified
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT – single exposure: Not classified

STOT – repeated exposure: Not classified

Aspiration hazard: May be fatal if swallowed and enters airways.

11.2 Information on other hazards

This mixture does not contain substances at ≥ 0,1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commision.

SECTION 12. Ecological information

12.1 Toxicity

The product/mixture is classified as harmful to aquatic life with long lasting effects.

Hazardous components CAS no.	Value Type	Value	Route of Exposure	Exposure Time	Species	Method
Dec-1-en, dimerers, hydrogenated (hydrocarbons, low viscous)	LC50	>1000 mg/l	Water	96 h	Fish	
Hydrocarbons, C12-C18, isoalkanes, cyclics, 2-30% aromatics (base oil)	LC50	>1000 mg/l	Water	96 h	Fish	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	LC50	>1001 mg/l	Water	96 h	Fish	
Phenolic antioxidant agent	LC50	0.11 mg/l	Water	96 h	Fish	
Dec-1-en, dimerers, hydrogenated (hydrocarbons, low viscous)	LC50	>1000 mg/l	Water	48 h	Daphnia	
Hydrocarbons, C12-C18, isoalkanes, cyclics, 2-30% aromatics (base oil)	LC50	>1000 mg/l	Water	48 h	Daphnia	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	LC50	>101 mg/l	Water	48 h	Daphnia	
Phenolic antioxidant agent	LC50	0.45 mg/l	Water	48 h	Daphnia	

Dec-1-en, dimerers, hydrogenated (hydrocarbons, low viscous)	EC50	>1000 mg/l	Water	72 h	Algae	
Hydrocarbons, C12-C18, isoalkanes, cyclics, 2-30% aromatics (base oil)	EC50	>1001 mg/l	Water	72 h	Algae	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	EC50	>101 mg/l	Water	72 h	Algae	
Phenolic antioxidant agent	EC50	3.6 mg/l	Water	72 h	Algae	

12.2 Persistence and degradability

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based: Readily biodegradable

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

The substance/mixture does not fulfil the criteria to be identified as PBT substance or vPvB substance.

12.6 Endocrine disrupted properties

This mixture does not contain substances at ≥ 0,1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commision.

12.7 Other adverse effects

No data available.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Dispose according to Directive 2008/98/EC on waste (Waste Framework Directive) and in compliance with local and national legislation. Dispose in accordance with all applicable regulations. Used product shall, by the end user, be classified as dangerous waste and be given a waste code. The code below shall be seen as a suggestion.

Suggested EWC code

13 02 05* Mineral-based non-chlorinated engine, gear and lubricating oils.

SECTION 14. Transport information

14.1 UN number Non-dangerous goods.

ADR	-
RID	-
IMDG	-
ICAO/IATA	-

14.2 UN proper shipping name

ADR	-
RID	-
IMDG	-
ICAO/IATA	-

14.3 Transport hazard class(es)

ADR	-
Hazard no.	-
RID	-
ADN	-
IMDG	-
ICAO/IATA	-

14.4 Packaging group

ADR	-
RID	-
IMDG	-
ICAO/IATA	-

14.5 Environmental hazards

ADR	NO
RID	NO
IMDG	NO
ICAO/IATA	NO

14.6 Special precautions for user

Tunnel restriction code	-
Limited quantities, ADR	-

14.7 Maritime transport in bulk according to IMO instruments.

Not applicable.

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1272/2008 (CLP) of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures. Latest update of legal requirements 23/10/2024 of CLP regulation.

Regulation (EC) No 1907/2006 (REACH) of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Regulation (EU) 2020/878 of the European Commission, supplement for REACH appendix II.

The national occupational exposure limit values that correspond to Union occupational exposure limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(3) of Commission Decision 2014/113/EU(5); EH40/2005: Workplace exposure limits updates 2020.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16. Other information

Version 5.1
Revision summary

Section 3: One CAS no and component has been replaced by three new CAS no, but not change the total classification of the product or labelling according CLP.
Extra raw data from ECHA has been added to Section 8, 11, 12 and new references in Section 15, and new H-phrases in Section 16.

Explanations to abbreviations in Section 3

H332	Harmful if inhaled.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Explanations to abbreviations in Section 14

ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road
RID	Règlement concernant le transport international ferroviaire de marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by rail)
IMDG	IMDG code (International Maritime Dangerous Goods Code)
ICAO	International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)
IATA	International Air Transport Association

This safety data sheet has been produced and reviewed by Chemgroup Scandinavia AB.