

SAFETY DATA SHEET



Product name: High Performance FF Fluid - 1314 Page: 1/10
Supersedes date: 2015-06-04 Date: 2018-12-17
Product No.: SDS-ID: GB-EN/2.0

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

1.1. Product identifier

Product name: High Performance FF Fluid - 1314

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

Application: Lubricant.

Uses advised against: No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier: Öhlins Racing AB
Box 722
S-194 51 Upplands Väsby
Sweden
Tel:+46 8 590 025 00
info@ohlins.se

1.4. Emergency telephone number

Emergency telephone: NHS: 111

+46 8 590 025 00 (Only during office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP: Aquatic Chronic 3;H412

2.2. Label elements

H412 Harmful to aquatic life with long lasting effects.

P273 Avoid release to the environment.

P501 Dispose of contents/container as hazardous waste.

2.3. Other hazards

Other: Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema, skin cracking and oil acne. The harmful effects may increase in used oil.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product contains: mineral oil and additives.
Only classified substances above threshold limits are shown.

SAFETY DATA SHEET

Product name: High Performance FF Fluid - 1314 Page: 2/10
Supersedes date: 2015-06-04 Date: 2018-12-17
Product No.: SDS-ID: GB-EN/2.0

CLP:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
20-<50	72623-86-0	276-737-9	01-2119474878-16	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified	Asp. Tox. 1;H304	
0.25-<1	61791-55-7	263-189-0	01-2119487014-41	Amines, N-tallow alkyltrimethylenedi-	Acute Tox. 4;H302 Skin Corr. 1C;H314 Eye Dam. 1;H318 STOT RE 1;H372 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	
0.25-<1	128-39-2	204-884-0	01-2119490822-33	2,6-Di-tert-butylphenol	Skin Irrit. 2;H315 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	
0.01-<1	61790-33-8	263-125-1	-	Amines, tallow alkyl	Acute Tox. 4;H302 Skin Corr. 1B;H314 STOT SE 3;H335 STOT RE 2;H373G Asp. Tox. 1;H304 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	

Notes: DMSO-content < 3%

References: The full text for all hazard statements is displayed in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

If symptoms persist, get medical attention. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

Inhalation: Move into fresh air and keep at rest. In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact: Rinse with water. Contact physician if discomfort continues.

Ingestion: Rinse mouth with water.

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

Symptoms/effects: May irritate eyes and skin.

4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

SAFETY DATA SHEET

Product name:	High Performance FF Fluid - 1314	Page:	3/10
Supersedes date:	2015-06-04	Date:	2018-12-17
Product No.:		SDS-ID:	GB-EN/2.0

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Extinguish with foam, carbon dioxide or dry powder.
Larger fires: Extinguish with water fog. Alcohol resistant foam.
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards: Cool containers exposed to heat with water spray and remove container, if no risk is involved. Carbon monoxide (CO) may be formed in the event of incomplete combustion. Fire in closed areas should only be extinguished by trained personnel.

5.3. Advice for firefighters

Protective equipment for fire-fighters: Wear suitable respiratory protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin and eyes. In case of spills, beware of slippery floors and surfaces. Mark the spillage.

6.2. Environmental precautions

Environmental precautions: Stop leak if possible without risk. Avoid discharge into drains. Contact local authorities in case of spillage to drain/aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for containment: Stop leak if possible without risk. Contain spillages with sand, earth or any suitable adsorbent material.

Methods for cleaning up: Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

References: For personal protection, see section 8. For waste disposal, see section 13.

SAFETY DATA SHEET

Product name:	High Performance FF Fluid - 1314	Page:	4/10
Supersedes date:	2015-06-04	Date:	2018-12-17
Product No.:		SDS-ID:	GB-EN/2.0

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Observe good chemical hygiene practices. Avoid inhalation of oil mist and contact with skin and eyes. Avoid prolonged and repeated contact with oil, particularly used oil. Avoid eating, drinking and smoking when using the product. Change contaminated clothing.

Technical measures: Use work methods which minimise oil mist production. Avoid exposure to temperatures above the flash point.

Technical precautions: When working with heated oil, mechanical ventilation may be required.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: Store correctly to avoid spillage and oil vapours.

Storage conditions: Store in closed original container in a dry place. Protect from moisture.

7.3. Specific end use(s)

Specific use(s): Not relevant.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No occupational exposure limit assigned.

DNEL/PNEC: No data available.

8.2. Exposure controls

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours and oil mist.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: Under normal conditions of use respiration protection should not be required. Respiratory protection must be used if air contamination exceeds acceptable level.

Hand protection: Wear protective gloves. Nitrile rubber (NBR) - 0.4 mm thickness
Breakthrough time: >480 min
Other types of gloves can be recommended by the glove supplier. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection: Goggles recommended during refilling.

Skin protection: Risk of splashes: Wear oil impervious protective clothing.

Hygiene measures: Observe good chemical hygiene practices. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.

SAFETY DATA SHEET

Product name:	High Performance FF Fluid - 1314	Page:	5/10
Supersedes date:	2015-06-04	Date:	2018-12-17
Product No.:		SDS-ID:	GB-EN/2.0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Appearance:</u>	Clear liquid.
<u>Colour:</u>	Light brown.
<u>Odour:</u>	Characteristic.
<u>Odour threshold:</u>	Not applicable.
<u>pH:</u>	Not applicable.
<u>Melting point / freezing point:</u>	Not applicable.
<u>Boiling point:</u>	Not applicable.
<u>Flash point:</u>	182 °C (DIN EN ISO 2592)
<u>Evaporation rate:</u>	Not applicable.
<u>Flammability (solid, gas):</u>	Not applicable.
<u>Explosive limits</u>	Not applicable.
<u>Vapour pressure:</u>	Not applicable.
<u>Vapour density:</u>	Not applicable.
<u>Relative density:</u>	0,86 g/cm ³ (15 °C) (DIN EN ISO 12185)
<u>Solubility:</u>	Solubility (Water): Insoluble Solubility (Other): No data available.
<u>Partition coefficient (n-octanol/water):</u>	Not applicable.
<u>Auto-ignition temperature (°C):</u>	Not available.
<u>Decomposition temperature (°C):</u>	Not available.
<u>Viscosity:</u>	40 mm ² /s (40 °C, DIN EN ISO 3104)
<u>Explosive properties:</u>	Not applicable.
<u>Oxidising properties:</u>	Not applicable.

9.2. Other information

<u>Other data:</u>	No data available.
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SAFETY DATA SHEET

Product name:	High Performance FF Fluid - 1314	Page:	6/10
Supersedes date:	2015-06-04	Date:	2018-12-17
Product No.:		SDS-ID:	GB-EN/2.0

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: Not reactive.

10.2. Chemical stability

Stability: Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous Reactions: None under normal conditions.

10.4. Conditions to avoid

Conditions/materials to avoid: Heat, sparks, flames.

10.5. Incompatible materials

Incompatible materials: Strong oxidising substances. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products: None under normal conditions. When heated and in case of fire, carbon monoxide, carbon dioxide and low-molecular hydrocarbons may be formed.

SAFETY DATA SHEET

Product name: High Performance FF Fluid - 1314 Page: 7/10
Supersedes date: 2015-06-04 Date: 2018-12-17
Product No.: SDS-ID: GB-EN/2.0

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Inhalation: In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Skin contact: Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema, skin cracking and oil acne. Does not absorb in acutely toxic amounts through the skin. Product that under high pressure has been forced under the skin, may cause serious cell damage/death under the skin.

Eye contact: May cause temporary eye irritation.

Ingestion: Low order of acute toxicity, but aspiration following ingestion and vomiting may cause severe and potentially fatal chemical pneumonitis.

Specific effects: Used oil may contain harmful contaminants. Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis.

Toxicological data: Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-
unspecified:
LD50 (oral, rat): >5001 mg/kg
LD50 (dermal rabbit): >2001 mg/kg
LC50 (inhalation, rat, 4h): >5.53 mg/l

Amines, N-tallow alkyltrimethylenedi-:
LD50 (oral, rat): 300 - 2000 mg/kg

2,6-Di-tert-butylphenol:
LD50 (oral, rat): >2001 mg/kg

SAFETY DATA SHEET

Product name: High Performance FF Fluid - 1314 Page: 8/10
Supersedes date: 2015-06-04 Date: 2018-12-17
Product No.: SDS-ID: GB-EN/2.0

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Base oil - unspecified:

LC50 (Fish, 96h): > 100 mg/l (OECD 203)

NOEC (Water flea, 21 days): 10 mg/l (OECD 211)

NOEC (Algae, 72 h): > 100 mg/l (OECD 201)

Amines, N-tallow alkyltrimethylenedi-:

LC50 (Fish, 96h): > 0,11 - 1 mg/l (OECD 203)

LC50 (Water flea, 48 h): > 0,011 - 0,1 mg/l (OECD 202)

NOEC (Water flea, 21 days): >0.0011 - 0.01 mg/l (OECD 211)

EC50 (algae, 72h): >0.011 - 0.1 mg/l (OECD 201)

2,6-Di-tert-butylphenol:

LC50 (Fish, 96h): 0,11 mg/l

LC50 (Water flea, 48 h): 0,45 mg/l

EC50 (algae, 72h): 3.6 mg/l

12.2. Persistence and degradability

Degradability: Potentially degradable, but will persist in the environment for long periods.

12.3. Bioaccumulative potential

Bioaccumulative potential: The product contains potentially bioaccumulating substances. (log Pow >3)

12.4. Mobility in soil

Mobility: Low.

12.5. Results of PBT and vPvB assessment

PBT/vPvB: This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Other adverse effects: An oil film may cause physical damage to organisms and disturb the transportation of oxygen in the intermediate zone between air/water or water/air.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste is classified as hazardous waste. Dispose of waste and residues in accordance with local authority requirements.

Waste from residues: EWC-code: 13 02 05*

SAFETY DATA SHEET

Product name:	High Performance FF Fluid - 1314	Page:	9/10
Supersedes date:	2015-06-04	Date:	2018-12-17
Product No.:		SDS-ID:	GB-EN/2.0

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

UN-No: -

14.2. UN proper shipping name

Proper Shipping Name: -

14.3. Transport hazard class(es)

Class: -

14.4. Packing group

PG: -

14.5. Environmental hazards

Marine pollutant: -

Environmentally Hazardous substance: -

14.6. Special precautions for user

Special precautions: -

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk: -

SECTION 15: REGULATORY INFORMATION

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

National regulation: Regulation (EC) No 1907/2006 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, with amendments.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
EH40/2005, Workplace exposure limits 2005, with amendments.
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

15.2. Chemical Safety Assessment

CSA status: No information available.

SAFETY DATA SHEET

Product name:	High Performance FF Fluid - 1314	Page:	10/10
Supersedes date:	2015-06-04	Date:	2018-12-17
Product No.:		SDS-ID:	GB-EN/2.0

SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Handling of used oils:

Protect health - avoid prolonged and repeated skin contact. Wash with soap and water. Protect the environment - do not pollute drains, water courses or the soil. Contact your local authority for any used oil disposal instructions.

The following sections contain revisions or new statements: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.

Abbreviations and acronyms used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.
DNEL = Derived No Effect Level.
PNEC = Predicted No Effect Concentration.

Additional information: Classification according to Regulation (EC) No. 1272/2008: Calculation method.

Wording of H-statements:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H372	Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

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