

SAFETY DATA SHEET

EcoPar

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Date issued 16.12.2008
Revision date 06.08.2013

1.1. Product identifier

Product name EcoPar
Chemical name Synthetic technical white oil

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

Product group Synthetic White oil
Use of the substance/preparation Cutting fluid, solvent, drilling fluid, alternative fuel for compression ignition Engines.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Company name EcoPar AB
Postal address Spadegatan 8
Postcode SE-424 65
City ANGERED
Country Sweden
Tel +46-31-711 50 20
Fax +46-31-330 61 70
E-mail info@ecopar.se
Website http://www.ecopar.se
Contact person EcoPar AB Chemist: +46-70-365 45 22

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to 67/548/EEC or 1999/45/EC Xn; R65
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] Asp. tox 1; H304;

2.2. Label elements

EC label Yes

Hazard Pictograms (CLP)



Signal word Danger
Hazard statements H304 May be fatal if swallowed and enters airways.
Precautionary statements P331 Do NOT induce vomiting. P405 Store locked up.

2.3. Other hazards

Other hazards Avoid breathing dust / fume / gas / mist / vapours / spray.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
White oil, paraffin oil, synthetic	CAS no.: 8042-47-5 EC no.: 232-455-8	Xn; R65 Asp. tox 1; H304;	> 99 vol%
Column headings	CAS no. = Chemical Abstracts Service; EU (Einecs or Elincs number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = Name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in; %, %wt/wt, %vol/wt, %vol/vol, mg/m3, ppb, ppm, weight%, vol%		
HH/HF/HE	T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Very flammable, N = Environmental hazard		
Description of the mixture	Synthetic White oil (saturated hydrocarbons) produced from synthesis gas in a catalytic process. The synthesis gas is produced from natural gas or associated gas (flare gases)		
Substance comments	Contains paraffins (alkanes) with a boiling Point between about 200 and 360 °C. Paraffins are approved in cosmetic Products if the whole refining process is known.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Contact physician if discomfort continues.
Inhalation	In case of inhalation of spray mist: Move person into fresh air and keep at rest. If respiratory problems, artificial respiration/oxygen. Consult a physician for specific advice.
Skin contact	Remove contaminated clothes and rinse skin thoroughly with water.
Eye contact	Make sure to remove any contact lenses from the eyes before rinsing.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

Acute symptoms and effects	Hot oil can cause burns.
Delayed symptoms and effects	By inhalation or aspiration, the Product can cause chemical pneumonia. Some common symptoms of chemical pneumonia: Difficulties to Breathe, pain or irritation in throat and chest, cough, headache, dizziness, or other symptom of illness. Repeated skin exposure can dry out the skin.

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

Medical monitoring for delayed effects	Inhalation of oil aerosols or aspiration can give delayed symptoms.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Improper extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Toxic gases can be formed by fire. E.g. carbon monoxide (CO) or carbon dioxide (CO2).
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5.3. Advice for firefighters

Fire fighting procedures	Cool containers exposed to flames with water until well after the fire is out. Self contained breathing apparatus and full protective clothing must be worn
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in case of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Eliminate all ignition sources if safe to do so. Stop leak if safe to do so.
 Personal protection measures Avoid inhalation of oil aerosols. Wear necessary protective equipment.

6.2. Environmental precautions

Environmental precautionary measures Limit the spill.

6.3. Methods and material for containment and cleaning up

Cleaning method Collect with absorbent, non-combustible material into suitable containers.
 Flush with plenty of water and detergent to clean spillage area. For waste disposal, see section 13.

6.4. Reference to other sections

Other instructions In case of fire, see section 5.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Avoid inhalation of spray mists and contact with skin and eyes. Eliminate all sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

Storage Flammable/combustible - Keep away from oxidisers, heat and flames.

Conditions for safe storage

Requirements for storage rooms and vessels Store in a closed container.
 Storage Temperature Value: < 50 °C

7.3. Specific end use(s)

Specific use(s) See section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Oil aerosols including fine aerosols			2011
White oil, paraffin oil, synthetic	CAS no.: 8042-47-5 EC no.: 232-455-8		

8.2. Exposure controls

Occupational exposure limits Provide access to washing facilities incl. soap, skin cleanser and fatty cream.

Safety signs



Respiratory protection

Respiratory protection Not applicable.

Hand protection

Hand protection Use protective gloves.
 Suitable gloves type Use protective gloves made of: Leather.

Reference to relevant standard Not applicable.

Eye / face protection

Eye protection Wash the eyes if You have got Product in the eyes

Eye protection comments Wash the eyes if You have got Product in the eyes

Skin protection

Skin protection (except hands) Not applicable. Wash the hands when there is spill on the hands.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Colourless liquid.
Colour	None.
Odour	Slight odour.
pH (as supplied)	Value: ~ 7 Test temperature: 25 °C
Boiling point / boiling range	Value: 220-360 °C
Flash point	Value: 94-98 °C
Comments, Evaporation rate	Very slow evaporation.
Flammability (solid, gas)	Low fire hazard. Swedish fire class 3.
Comments, Explosion limit	Not applicable.
Comments, Vapour pressure	Very slow evaporation.
Comments, Specific gravity	Density about 800 kg/m ³ (15 °C)
Solubility in water	Unsoluble.
Solubility in fat	Soluble.
Partition coefficient: n-octanol/water	Value: > 6 Method of testing: Log Pow
Spontaneous combustability	Value: > 230 °C
Viscosity	Value: 2,5-4 mm ² /s Test temperature: 40 °C
Comments, Viscosity	Products is more viscous than water (water: 0,6 mm ² /s).
Explosive properties	Non explosive
Oxidising properties	Not applicable.

9.2. Other information

Other physical and chemical properties

Comments Product is biodegradable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Heating may cause a fire.

10.2. Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Avoid contact with oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Toxic gases can be released by fire (CO and CO₂)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

General Risk of chemical pneumonia after aspiration.

Acute toxicity, Mixture estimate

Inhalation of dust and mist Inhalation of oil aerosols can irritate the lungs. Inhalation of oil aerosols in greater amounts can give rise to chemical pneumonia.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic, fish Value: > 1000 mg/litre
Method of testing: LL50
Fish, species: Trout
Duration: 96 h
Test reference: OECD Guideline 203

Acute aquatic, Daphnia Value: > 100 mg/litre
Method of testing: LL50
Daphnia, species: Daphnia Magna
Duration: 48 h

Other ecotoxicological information, fish No negative impact on fertilized embryos of Zebra fish (Danio Rerio) by concentration >100 mg/litre according to method SS-ISO 02 81 93 (IVL Report U901)

No negative impact on fry of Zebra fish (Danio Rerio) by concentration >100 mg/litre according to method SS-ISO 02 81 93 (IVL Report U901)

Aquatic, comments On basis of test data. The chemical has shown no negative impact on mussel (Mytilus sp), ref. Michael Tedengren and Alma Strandmark, Stockholm University, 2005

12.2. Persistence and degradability

Persistence and degradability description Based on data for similar substances, the Product is expected to be biodegradable. From an environmental aspect: Evaporation and biological degradation is the best elimination procedure in surface waters, sediments and soil.

12.3. Bioaccumulative potential

Bioaccumulative potential Will not bio-accumulate.

12.4. Mobility in soil

Comments to mobility By temperatures over 0 deg.C the Product evaporates very slowly from land and water surfaces.

12.5. Results of PBT and vPvB assessment

PBT assessment results Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Environmental details, summation Avoid larger spill to sewage systems and aquatic systems.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal Do not mix with halogenated waste. Larger amounts of contaminated Product should be sent to destruction.

Relevant waste regulation Swedish waste ordinance (2011:927)

Other Information The packaging should be collected for reuse.

SECTION 14: Transport information

14.1. UN number

Comments Not relevant.

14.2. UN proper shipping name

ADR Not dangerous goods

RID Not dangerous goods

IMDG Not dangerous goods

ICAO/IATA Not dangerous goods

14.3. Transport hazard class(es)

Comment Not relevant.

14.4. Packing group

Comment Not relevant.

14.5. Environmental hazards

ADR No

RID No

IMDG No

IMDG Marine pollutant No

14.6. Special precautions for user

Special safety precautions for user Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information.

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

SECTION 15: Regulatory information

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

References (laws/regulations) Not regulated.

Legislation and regulations This safety data sheet is in accordance with Ordinance (EC) no. 1907/2006 (Reach) Annex II.

15.2. Chemical safety assessment

Chemical safety assessment performed No

SECTION 16: Other information

Hazard symbol



Harmful

R-phrases R65 Can give rise to lung problems by inhalation or aspiration (if inhaled down into the respiratory system)

S-phrases S2 Keep out of the reach of children. S17 Keep away from combustible material. S23 Avoid inhalation of aerosols. S43 Vid släckning, använd pulver eller skum.

S43 When fire fighting, use fire extinction powder or foam.

Supplier's notes This information has been made by EcoPar AB on basis of information that

	were accessible for the company when the SMDS were made. The Information is advisory, but is not totally comprehensive for all health- and protection aspects in Connection with using the Product. The information does not include possible oversensitivity for the Product that some persons may have. The buyer is responsible for correct storage, handling and use of the Product. The information does not contain any facts about environmental and health risks and protective measurements in case of inappropriate use or handling of the Product. Nor does the information cover all aspects, when the Product is blended with other Products.
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Asp. tox 1; H304;
List of relevant R-phrases (under headings 2 and 3).	R65 Harmful: may cause lung damage if swallowed.
List of relevant H-phrases (Section 2 and 3).	H304 May be fatal if swallowed and enters airways.
Recommended restrictions on use	Applications: Cutting fluid, solvent, drilling fluid, alternative fuel for compression ignition Engines.
Important data sources used to construct the safety data sheet	Earlier version of SMDS for EcoPar were made 2012-11-28. EcoPar has done own scientific measurements together with research institutes: IVL in Sweden and NIVA in Norway.
Information which has been added, deleted or revised	Re-formulation. No change in classification.
Responsible for safety data sheet	EcoPar AB