

SAFETY DATASHEET ECOPAR BIO



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	1
2. HAZARDS IDENTIFICATION	1
3. COMPOSITION/INFORMATION ON INGREDIENTS	2
4. FIRST AID MEASURES	2
5. FIREFIGHTING MEASURES	3
6. ACCIDENTAL RELEASE MEASURES	3
7. AHANDLING AND STORAGE	3
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	4
9. PHYSICAL AND CHEMICAL PROPERTIES	4
10. STABILITY AND REACTIVITY	5
11. TOXICOLOGICAL INFORMATION	6
12. ECOTOXICOLOGICAL INFORMATION	7
13. DISPOSAL CONSIDERATIONS	8
14. TRANSPORT INFORMATION	8
15. REGULATORY INFORMATION	8
16. OTHER INFORMATION	8

ECOPAR AB


Hildedalsgatan 78, SE-41705 Göteborg, Tel. 031-711 50 20, Fax 031-330 61 70
Organisationsnummer: 556597-9985

Ecopar Bio							
Issued:	2022-05-11	Version:	1	Reviewed on:	-	Page:	1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	PRODUCT IDENTIFIER		PACKAGE SIZE
	Ecopar Bio		-
	REACH-reg. number:	01-2119450077-42	
1.2	RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST Synthetic biofuel for diesel engines.		
1.3	DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET Supplier: EcoPar AB Address: Spadegatan 8, SE-424 65 ANGERED, Sweden Telephone: +46 31-711 50 20 Fax: +46 31-330 61 70 E-mail: info@ecopar.se Webpage: www.ecopar.se Contact: EcoPar's chemist: +46 70-365 45 22		
1.4	EMERGENCY TELEPHONE NUMBER: 112 (acute), Swedish Poisons Information Centre: +46 10-456-67-00 (not acute)		

2. HAZARDS IDENTIFICATION

2.1	CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	
	Classification according to CLP (Regulation (EC) No. 1272/2008):	GHS08; Asp. Tox. 1: H304, EUH066.
2.2	LABEL ELEMENTS	
	Labeling according to CLP (Regulation (EC) No. 1272/2008):	
	Pictogram(s): GHS08	
		
	Signal word: Danger	
	Hazard Statement(s):	
	H304 – May be fatal if swallowed and enters airways.	
	EUH066 – Repeated exposure may cause skin dryness or cracking.	
	Precautionary statement(s):	
	P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor.	
P331 – Do NOT induce vomiting.		
P405 – Store locked up.		
P501 – Dispose of contents/container to an approved waste recipient.		
Contains:		
Alkanes, C10-20, straight and linear.		
Other information:		
The substance is not endocrine disrupting. Oil mists can be dangerous to inhale.		
2.3	OTHER HAZARDS	
	The product does not meet the criteria for PBT (persistent /bioaccumulative /toxic) or vPvB (very persistent /very bioac-cumulative).	

Ecopar Bio

Issued:	2022-05-11	Version:	1	Reviewed on:	-	Page:	2
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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Composition according to CLP (Directive 1272/2008/EC)

Substance	EC no.	REACH Reg no.	CAS no.	%	Pictogram	H-phrases*	Category
Alkanes, C10-20, straight and linear	618-882-6	01-2120059790-52	928771-01-1	90-100 %	GHS08 Danger	H304 EUH066	Asp. Tox. 1

* For full wording of H-phrases, see section 16.

Additional information: Mixture of renewable raw materials, fuel and additives., Contains intermediate distillates in the ranges of iso- and n-paraffinic hydrocarbons., Total aromatics at a maximum 1.0 %/weight. Renewable hydrocarbons (fraction similar to diesel). REACH No: 01-2119450077-42 -0000 / -0001 / -0002. Identity outside of the EU (CAS number and substance name): Alkanes, C10-20, straight and linear, CAS 928771-01-1.

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL RECOMMENDATION:

Keep the person warm and calm. Never give anything to eat or drink to an unconscious person. If uncertain or if symptoms develop or persist, consult a doctor. Show this SDS to the doctor on duty. **AFTER INHALATION** Move the person to fresh air and make sure he or she is resting in a position that facilitates breathing. If the person is not breathing, breathing is irregular or if apnea occurs, have trained personnel give artificial respiration or oxygen. It can be dangerous for the person providing help to perform the mouth-to-mouth method. Seek medical attention if harmful health effects persist or are serious. In case of unconsciousness, place the person in the supine position and contact a doctor. Maintain an open airway. Loosen tight-fitting clothing such as collars, ties, waistbands and belts.

AFTER SKIN CONTACT:

Wash skin thoroughly with soap and water. Remove contaminated clothing and shoes. Consult a physician if symptoms occur. Thoroughly wash clothes and shoes before using them again.

AFTER EYE CONTACT: Rinse with a soft jet of lukewarm water for several minutes. Keep eyelids wide apart. Remove, if necessary, contact lenses. Contact a doctor if symptoms persist.

AFTER INGESTION:

Contact a doctor immediately. Call the Poisons Information Centre or a doctor. Rinse mouth with water. Remove any dentures. Danger of aspiration if the substance is swallowed. Substance may enter the lungs and cause injury. Do not induce vomiting. If vomiting occurs, the head should be kept so low that vomiting does not enter the lungs. Never give anything to eat or drink to an unconscious person. In case of unconsciousness, place the person in the supine position and contact a doctor. Maintain an open airway. Loosen tight-fitting clothing such as collars, ties, waistbands and belts.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECT, BOTH ACUTE AND DELAYED

Hot oil can cause burns. Repeated exposure may cause skin dryness or cracking. May be fatal if swallowed and enters airways. Risk of chemical pneumonia. When inhaled or aspirated, the product may irritate the lung tissue.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

Ecopar Bio

Issued:	2022-05-11	Version:	1	Reviewed on:	-	Page:	3
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5. FIREFIGHTING MEASURES

5.1	EXTINGUISHING MEDIA
	Foam, dry powder, carbon dioxide (CO ₂) or water fog.
5.2	SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE
	In case of fire, carbon monoxide and carbon dioxide can form. In the event of fire or heating, a pressure increase occurs whereby the container can burst. Cool container exposed to fire with water until the fire is extinguished. In case of fire, wear protective equipment suitable for chemical fires. Avoid inhalation of gases.
5.3	ADVICE FOR FIREFIGHTERS
	Firefighters must wear appropriate protective equipment and self-contained breathing apparatus (SCBA) and a full face-mask. Firefighter equipment (e.g. helmet, safety boots and gloves) that complies with European Standard EN 469 provides basic protection in the event of chemical accidents.

6. ACCIDENTAL RELEASE MEASURES

6.1	PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
	Use prescribed personal protective equipment, see section 8. Avoid inhalation of oil mist. Remove all sources of ignition, if this can be done safely. Stop the leak if it can be done safely.
6.2	ENVIRONMENTAL PRECAUTIONS
	Avoid spreading spilled material or runoff. Avoid contact with soil, waterways, drainage and drains. Inform the relevant authorities if the product has caused environmental pollution (sewage, watercourses, soil or air).
6.3	METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP
	Absorb spillage with an inert absorbent (e.g. sand, sawdust or vermiculite). Smaller spills can be cleaned up with paper towels. Clean contaminated surfaces with water. Place waste in a closed container and disposed of in accordance with section 13.
6.4	REFERENCE TO OTHER SECTIONS
	See section 1 for contact information in an emergency. See sections 8 and 13 for information on personal protective equipment and waste disposal. Product is not considered an explosive given the chemical structure and oxygen balance.

7. HANDLING AND STORAGE

7.1	PRECAUTIONS FOR SAFE HANDLING
	Take action to prevent static discharges. Handling should only take place in well-ventilated areas. Avoid inhalation of vapors and contact with skin and eyes. Use personal protective equipment as described in section 8 and/or local ventilation if necessary. Do not eat, drink or smoke when using the product. Wash hands and other contaminated areas of the body with soap and water before leaving the workplace. During tank operations, special instructions should be followed (there is a risk of oxygen deficiency and hydrocarbons).
7.2	CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
	Store as combustible liquids. Store in accordance with local regulations. Store in a designated area to prevent discharge to drains and/or watercourses. Take precautionary measures against leakage by building collection pools and disposal systems and by designating loading and unloading stations. Store only in properly labeled containers. Use containers made of the following materials: carbon steel. stainless steel.
7.3	SPECIFIC END USE(S)
	See section 1.2 See EWC code in section 13.

Ecopar Bio

Issued:	2022-05-11	Version:	1	Reviewed on:	-	Page:	4
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMIT VALUES (ACCORDING TO DIRECTIVES 2000/39/EG, 2006/15/EG, 2009/161/EU, 2017/164/EU and 2019/1831)

No values apply to the product.

PNEC: No data available.

DNEL: No data available.

EXPOSURE CONTROLS: Ensure adequate ventilation.

RESPIRATORY PROTECTION: Ensure adequate ventilation. Use respiratory protection in case of insufficient ventilation (combination filter A/P2).

HAND PROTECTION: Wear protective gloves. It is recommended that gloves be made of the following materials: nitrile rubber. Neoprene or polyvinyl chloride (PVC). The selected gloves must have a breakthrough time of at least 4 hours. Protection class 5. Protective gloves should be in accordance with standards EN 420 and EN 374. Change protective gloves regularly.

EYE/FACE PROTECTION: Wear safety goggles if there is a splash risk.

SKIN PROTECTION: Not normally necessary.

HYGIENE MEASURES: No food, drink, smoking or snuff at the workplace. Take off all contaminated clothing. Wash hands and/or face before breaks and at the end of the work shift. After the work shift, the skin must be cleaned and lubricated.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON FUNDAMENTAL PHYSICAL AND CHEMICAL PROPERTIES

A)	Form	Liquid
B)	Color Odour/Odour threshold	Clear Mild/ Not available.
C)	Melting/Freezing point	-20°C (1013 hPa; BS4633, EC A1)
D)	Boiling point or initial boiling point and boiling point range	180-320°C [ISO 3405]
E)	Flammability	Not available.
F)	Lower and upper explosion limits	Not available.
G)	Flash point	> 61°C closed cup [ISO 2719]
H)	Auto-ignition temperature	>204°C [EC A14]
I)	Decomposition temperature	Not available.
J)	pH	Not available.
K)	Kinematic/dynamic viscosity	2,6 mm ² /s at 40°C. [OECD 114]/ 4,0 mm ² /s at 20°C. Dynamisk viskositet: ≤ 5 mPas at 20°C.
L)	Solubility	Insoluble in water. Soluble in methanol and hydrocarbons.
M)	Distribution coefficient. n-octanol/ water (log value)	>6,5 (EC A8).
N)	Vapour pressure	<0,087 kPa (25°C) (EC A4)
O)	Density and/or relative density	0,77-0,79 [ISO 12185]
P)	Relative vapour density	Not available.
Q)	Particle properties	Not available.
R)	VOC g/l	Not available.

Ecopar Bio							
Issued:	2022-05-11	Version:	1	Reviewed on:	-	Page:	5

9.2	OTHER INFORMATION		
	Hazard class: None. Maintenance of incineration must be carried out by an approved contractor.		
9.2.2	Other safety characteristics		
	A)	Mechanical Sensitivity	Not determined
	B)	Self-Accelerating Polymerisation Temperature	Not determined
	C)	Formation Of Explosible Dust/Air Mixture	Not determined
	D)	Acid/Alkaline Reserve	Not determined
	E)	Evaporation Rate	Not determined
	F)	Miscibility	Not determined
	G)	Conductivity	Not determined
	H)	Corrosiveness	Not determined
	I)	Gas Group	Not determined
	J)	Redox Potential	Not determined
	K)	Radical Foramtion Potential	Not determined
	L)	Photocatalytic Properties	Not determined

10. STABILITY AND REACTIVITY	
10.1	REACTIVITY
	Stable product under recommended handling and storage conditions.
10.2	CHEMICAL STABILITY
	Stable product under recommended handling and storage conditions.
10.3	POSSIBILITY OF HAZARDOUS REACTIONS
	Stable product under recommended handling and storage conditions.
10.4	CONDITIONS TO AVOID
	Avoid heat, flames and other sources of ignition.
10.5	INCOMPATIBLE MATERIALS
	Oxidizing agents.
10.6	HAZARDOUS DECOMPOSITION PRODUCTS
	In case of fire, toxic gases such as carbon monoxide and carbon dioxide can form.

Ecopar Bio

Issued:	2022-05-11	Version:	1	Reviewed on:	-	Page:	6
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11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

	ACUTE EFFECTS	CHRONIC EFFECTS
SKIN CONTACT	Repeated and/or prolonged exposure may cause dry skin or cracked skin.	
EYE CONTACT	Mildly irritating to the eyes upon direct contact.	
INHALATION	Oil mists can cause mild respiratory irritation.	
INGESTION	May be fatal if swallowed and enters airways. Risk of chemical pneumonia. May cause abdominal pain as well as nausea and vomiting.	

a) Acute toxicity

TOXICOLOGICAL DATA FOR THE PRODUCT AS IS

Not classified as acutely toxic.. No data available.

TOXICOLOGICAL DATA FOR INCLUDED COMPONENTS

Oral: rat LD50 >2000 mg/kg (EC B1 tris) (not acutely toxic).

Dermal: rat LD50 >2000 mg/kg (EC B3) (not acutely toxic).

(b) skin corrosion/irritation

Based on available data, the classification criteria are not met. (EC B4) Repeated exposure may cause skin dryness or cracking. The product irritates the mucous membranes and may cause abdominal pain if swallowed. May cause respiratory irritation.

(c) serious eye damage/irritation

Based on available data, the classification criteria are not met. (EC B5).

(d) respiratory or skin sensitisation

Based on available data, the classification criteria are not met. (EC B6).

(e) germ cell mutagenicity

Based on available data, the classification criteria are not met. (EC B10, B13/14 & B17).

(f) carcinogenicity

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

(g) reproductive toxicity

Based on available data, the classification criteria are not met. (OECD 416)

(h) STOT-single exposure

Not classified for STOT-single exposure.

(i) STOT-repeated exposure

Based on available data, the classification criteria are not met. (OECD 408).

(j) aspiration hazard

May be fatal if swallowed and enters airways. If the product enters the lungs after ingestion or vomiting, chemical pneumonia may occur.

ENDOCRINE DISRUPTORS

The substance is not an endocrine disruptor.

ABSENCE OF DATA

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Ecopar Bio							
Issued:	2022-05-11	Version:	1	Reviewed on:	-	Page:	7

12. ECOTOXICOLOGICAL INFORMATION

12.1	TOXICITY
	<p>Not classified as harmful to the environment.</p> <p>ECOLOGICAL DATA FOR THE PRODUCT AS IS</p> <p>LC50 Fish 96h: >1000 mg/l WAF (OECD 203) (not toxic)</p> <p>EC50 Daphnia 48h: >100 mg/l WAF (OECD 202) (not toxic)</p> <p>EL50 72h: > 100 mg/l WAF (OECD 201) (not toxic)</p> <p>NOEC, 21 days: 1 mg/l,</p> <p>LOEC, 21 days: 3,2 mg/l,</p> <p>WAF (OECD 211)</p> <p>Sediment organisms</p> <p>NOEC, 10 days: 373 mg/kg,</p> <p>LOEC, 10 days: 1165 mg/kg,</p> <p>LC₅₀, 10 days: 1200 mg/kg,</p> <p>(OSPAR Protocols, Part A: Sediment Bioassay, 2005)</p> <p>ECOLOGICAL DATA FOR INCLUDED COMPONENTS</p> <p>See the above information for the product as is.</p>
12.2	PERSISTENCE AND DEGRADABILITY
	Degrades quickly. (OECD 301B).
12.3	BIOACCUMULATIVE POTENTIAL
	logPow: > 6,5 (EC A8).
12.4	MOBILITY IN SOIL AND WATER
	Evaporates slowly. The product has a low water solubility. The product contains substances that are bound to particles and that remain in the soil. Log Koc> 5.6 (EC C19).
12.5	RESULTS OF PBT AND vPvB ASSESSMENT
	Does not fulfil the criteria for classification as PBT or vPvB.
12.6	ENDOCRINE DISRUPTORS
	The substance is not an endocrine disruptor.
12.7	OTHER ADVERSE EFFECTS
	No other adverse effects known.
	SUMMARY
	The product is not classified as harmful to the environment. However, do not allow large quantities of the product to reach ground water, water course or sewage system.

Ecopar Bio

Issued:	2022-05-11	Version:	1	Reviewed on:	-	Page:	8
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13. DISPOSAL CONSIDERATIONS

13.1 SURPLUS/UNUSED PRODUCT

Unused product is hazardous waste according to directive 2000/532/EC.

Suggestion of EWC codes:

07 06 Wastes from the manufacture, formulation, supply and use (MFSU) of fats, grease, soaps, detergents, disinfectants and cosmetics

07 06 01* Aqueous washing liquids and mother liquors:

RESIDUAL WASTE: Residual waste is hazardous waste and should be disposed of in accordance with national and local regulations.

WASTE TREATMENT METHODS: Hazardous waste. Do not mix with halogenated waste. Larger amount of contaminated goods should be destroyed.

CONTAMINATED PACKAGES: Contaminated packaging is hazardous waste and must be disposed of in accordance with national and local regulations.

14. TRANSPORT INFORMATION

Not classified as dangerous goods according to ADR/RID/IMO/DGR.

14.1 ENVIRONMENTAL HAZARDS

Product is not classified as environmentally hazardous.

14.2 SPECIAL PRECAUTIONS

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14.3 BULK TRANSPORTATION ACCORDING TO ANNEX II TO MARPOL 73/78 AND THE IBC CODE

Not applicable as the product is not dangerous goods.

15. REGULATORY INFORMATION

Not classified as dangerous goods according to ADR/RID/IMO/DGR.

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Safety data sheet and classification in accordance with CLP (REGULATION (EC) No 1272/2008 and Commission Regulation (EU) 878/2020 (REACH, Annex II).

15.2 CHEMICAL SAFETY ASSESSMENT

Chemical Safety Assessment (CSA) is available for the product (in Swedish). A Chemical Safety Assessment according to REACH has not been made.

16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTION 3

H304 – May be fatal if swallowed and enters airways.

EUH066 – Repeated exposure may cause skin dryness or cracking.

LEGEND TO ABBREVIATIONS

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LITERATURE REFERENCES AND SOURCES FOR DATA

Refer to chemical safety assessment (CSA) for sources.

REVISIONS

Version 1 (2022-05-11): Original document.

OTHER INFORMATION

This information is complementary. However, the user should independently decide whether the information is sufficient. Responsibility for the product safety and facts lies with EcoPar AB.. The Safety Data Sheet has been established with the participation of Amasis Konsult AB, Solna.