

SECTION 1. Identification of the Substance/Mixture and of the Company/Undertaking**1.1 PRODUCT NAME**

EcoPar Bio

UFI code:

SDGM-514C-9915-FWKJ

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Formulation & (re)packing of substances and mixtures (ES 02)

Distribution of substance (ES 04)

Use as an intermediate (ES 05)

Use as a fuel (ES 06, 14, 23)

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**Supplier:** EcoPar AB**Address:** Hilledalsgatan 78, 417 05 Göteborg, Sweden**Telephone:** +46 31-711 50 20**E-mail:** info@ecopar.se**Webpage:** www.ecopar.se**Contact:** +4670-365 45 22**1.4 EMERGENCY TELEPHONE**

Swedish Poisons Information Centre 112 (acute), 010-456-67-00 (working hours)

SECTION 2. Hazards Identification**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

CLP (Regulation (EC) No 1272/2008): GHS08; Asp. Tox. 1: H304, EUH066

2.2 LABEL ELEMENTS**Labeling CLP (REGULATION (EC) No 1272/2008)****Pictograms:**

GHS08

**Signal word:**

Danger

Hazard statements:

H304 – May be fatal if swallowed and enters airways.

EUH066 – ‘Repeated exposure may cause skin dryness or cracking’

Precautionary statements:

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 – Do NOT induce vomiting.

P405 – Store locked up.

P501 – Dispose of contents/container to

Contains: Alkanes, C10-20, straight and linear. EG no. 618-882-6

2.3 OTHER HAZARDS

The substance is not endocrine disrupting. Oil mist can be dangerous to inhale.

Does not contain substances that are subject to classification or labelling in accordance with CLP (Regulation (EC) No 1272/2008). Product is not classified as hazardous to health and the environment in accordance with CLP (Regulation (EC) No 1272/2008).

SECTION 3. Composition/Information on Ingredients

3.2 Mixtures

ACCORDING TO CLP (REGULATION (EC) No 1272/2008)

Substance name	EU no	Reg. no	CAS no	Conc.	Pictogram	H-statement(s))*	Category
Alkanes, C10-20, straight and linear	618-882-6	01-2120059 790-52-XXXX	928771-01-1	90-100 %	GHS08 Danger	H304 EUH066	Asp. Tox. 1

*See Section 16 for H-statements.

Other information: Mixture of renewable raw material fuel and additives., Contains middle distillate-range isoand n-paraffinic hydrocarbons., Total aromatics at maximum 1,0 Weight %., Renewable hydrocarbons (diesel type fraction); REACH Nr: 01-2119450077-42-0000 / -0001 / -0002., Identity outside the EU (CAS number and name of the substance);, Alkanes, C10-20-branched and linear, CAS 928771-01-1.

SECTION 4. First Aid Measures

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL RECOMMENDATIONS

Keep the person warm and calm. Never give anything to eat or drink to an unconscious person. In case of the slightest uncertainty or if discomfort persists, consult a doctor. Show this safety data sheet to the doctor on call.

INHALATION

Move the person to fresh air and make sure he or she rests in a position that facilitates breathing. If the person is not breathing, breathing is irregular, or respiratory arrest occurs, have trained personnel administer artificial respiration or oxygen. It can be dangerous for the person giving help with the mouth-to-mouth method. Seek medical attention if adverse health effects persist or are severe. In the event of unconsciousness, place the person in the prone side position and contact a doctor. Maintain an open airway. Loosen tight clothing items such as collars, ties, waist belts and waistbands.

SKIN CONTACT

Wash skin thoroughly with soap and water or skin cleansing cream. Remove contaminated clothing and shoes. Consult a doctor if symptoms occur. Wash the clothes before using them again. Clean the shoes thoroughly before using them again.

EYE CONTACT

Flush immediately with plenty of water for several minutes, keeping eyelids open. If any symptom persists, consult a physician.

INGESTION

Contact a doctor immediately. Call the Poisons Information Center or a doctor. Rinse mouth with water. Remove any dentures. Danger of aspiration if the substance is swallowed. Can be drawn down into the lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head must be kept so low that vomit does not enter the lungs. Never give an unconscious person anything to eat or drink. In the event of unconsciousness, place the person in the prone side position and contact a doctor. Maintain an open airway. Loosen tight clothing items such as collars, ties, waist belts and waistbands.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Hot oil can cause burns. Repeated exposure may cause skin dryness or cracking. May be fatal if swallowed if inhaled. Risk of chemical pneumonia. In case of inhalation or aspiration, the product may irritate the lung tissue..

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

SECTION 5. Firefighting Measures**5.1 EXTINGUISHING MEDIA**

Carbon dioxide, foam, powder, water mist.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

In the event of a fire, carbon monoxide and carbon dioxide may develop. In the event of fire or heating, an increase in pressure occurs, whereby the container can burst. Cool containers exposed to fire with water until the fire is out. Use a closed-system respirator and suitable protective clothing in case of fire. Avoid inhalation of fumes.

5.3 ADVICE FOR FIREFIGHTERS

Firefighters must wear appropriate protective equipment and positive pressure compressed air apparatus (SCBA) and full-face mask. Firefighter equipment (e.g., helmet, safety boots and gloves) that meets the European standard EN 469 provides basic protection in the event of chemical accidents.

SECTION 6. Accidental Release Measures**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Use prescribed protective equipment, see section 8. Avoid inhalation of oil mist. Remove all sources of ignition if it can be done safely. Stop the leak if it can be done safely.

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid spreading of spilled material, runoff, contact with soil, waterways, drainage and sewers. Inform the competent authorities if the product has caused environmental pollution (sewage, waterways, soil or air).

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Absorb spillage with inert absorbent, e.g. sand, sawdust or vermiculite. Smaller spills can be picked up with paper. Rinse clean contaminated surface with water. The waste is placed in a closed container and handled as waste in accordance with section 13.

6.4 REFERENCE TO OTHER SECTIONS

See Section 1 for emergency contact information.

See Sections 8 and 13 for information concerning protective equipment and waste treatment methods.

Not considered explosive based on the chemical structure and oxygen balance.

SECTION 7. Handling and Storage**7.1 PRECAUTIONS FOR SAFE HANDLING**

Take measures against static electricity. All handling should only take place in well-ventilated areas. Avoid inhalation of vapors and contact with skin and eyes. Use personal protective equipment, see section 8 and/or local ventilation if necessary. Do not eat, drink or smoke when using the product. Wash hands and other splashed areas of the body with soap and water before leaving the workplace. Special instructions should be followed during tank operations (risk of lack of oxygen and hydrocarbons).

7.2 CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

Storage of flammable liquids. Store in accordance with local regulations. Store in a confined, walled-off location to prevent release to drains and/or watercourses. Take precautions against leakage by constructing catch basins and drainage systems and by surfacing loading and unloading stations. Store only in properly labelled 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 under Section 13.

SECTION 8. Exposure Controls/Personal Protection

8.1 CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS (according to 2000/39/EG and 2006/15/EG)

No OEL values apply to the product.

DNEL

Workers - Inhalation; Long term systemic effects: 147 mg/m³

Workers - Dermal; Long term systemic effects: 42 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 94 mg/m³

Consumer - Dermal; Long term systemic effects: 18 mg/kg/day

PNEC

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8.2 INDIVIDUAL PROTECTION MEASURES

RESPIRATORY PROTECTION

Ensure adequate ventilation. If inadequate ventilation, use an approved respirator. Combination filter type A/P2.

HAND PROTECTION

Use protective gloves. It is recommended that gloves are made of the following materials: Nitrile rubber. Neoprene.

Polyvinyl chloride (PVC). The selected gloves must have a breakthrough time of at least 4 hours. Protection class 5.

Protective gloves according to standards EN 420 and EN 374. Change protective gloves regularly.

EYE/FACE PROTECTION

Use safety goggles if any risk for splashes in the eyes.

OTHER PROTECTIVE EQUIPMENT

Not required.

HYGIENE MEASURES

No food, drink, smoking or sniffing at the workplace. Remove all splashed clothing. Wash hands and/or face before breaks and at the end of the work shift. After the work session, the skin must be cleaned and lubricated.

SECTION 9. Physical and Chemical Properties

9.1 INFORMATION ON FUNDAMENTAL PHYSICAL AND CHEMICAL PROPERTIES

a) Physical state	Liquid
b) Colour	Clear
c) Odour	Mild
<i>Odour threshold</i>	Not determined
d) Melting point/ freezing point	-20°C (1013 hPa; BS4633, EC A1)
e) Boiling point or initial boiling point and boiling range	180-320°C [ISO 3405]
f) Flammability	> 61°C [ISO 2719, EC A9]
g) Lower and upper explosion limit	Not determined
h) Flash point	Not determined
i) Auto-ignition temperature	>204°C [EC A15]
j) Decomposition temperature	Not determined
k) pH	Not determined.
l) Kinematic viscosity	Kinematic viscosity 4.0 mm ² /s @ 20° C 2.6 mm ² /s @ 40° C (OECD 114) Dynamic viscosity ≤ 5 mPa s @ 20° C
m) Solubility	Insoluble in water. ~ 0,075 mg/l water @ 25°C (calculated) Soluble in the following materials: Methanol. Hydrocarbons.
n) Partition coefficient	>6.5 (EC A8)

- n-octanol/water (log value)
- o) Vapour pressure** <0.087 kPa (25°C) (EC A4)
 - p) Density and/or relative density** 0.77-0.79 15/4°C [ISO 12185, EC A3]
 - q) Relative vapour density** Not determined
 - r) Explosive properties** Not considered to be explosive. (EC A14)
 - s) Oxidising properties** Does not meet the criteria for classification as oxidizing.

9.2 OTHER INFORMATION

Physical hazard class: *None. Combustion maintenance 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 formation potential	Not determined
l)	photocatalytic properties	Not determined

SECTION 10. Stability and Reactivity

10.1 REACTIVITY

The product is stable under standard conditions.

10.2 CHEMICAL STABILITY

The product is chemically stable under standard conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

The product is chemically stable under standard conditions.

10.4 CONDITIONS TO AVOID

Avoid heat, flames and sources of ignition.

10.5 INCOMPARTIBLE MATERIALS

Avoid contact with oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

In case of fire, toxic gases such as carbon monoxide and carbon dioxide can be evolved.

SECTION 11. Toxicological Information

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

	ACUTE EFFECTS	CHRONIC EFFECTS
SKIN CONTACT	Repeated and/or prolonged contact may cause dry skin or skin cracks.	-
EYE CONTACT	Can mildly irritate the eyes upon direct contact.	-

INHALATION	Oil mist can cause mild respiratory irritation.	-
INGESTION	May be fatal if swallowed if inhaled. Risk of chemical pneumonia. May cause abdominal pain as well as nausea and vomiting.	-

(a) acute toxicity**TOXICOLOGICAL DATA FOR THE PRODUCT**

Not acutely toxic product. No data available.

TOXICOLOGICAL DATA FOR INCLUDED COMPONENTS

Poisoning by ingestion: rat LD₅₀ >2000 mg/kg (EC B1 tris) (non-acute toxic).

Poisoning by contact with skin: rat LD₅₀ >2000 mg/kg (EC B3) (non-acute toxic).

(b) skin corrosion/irritation

Based on the available data, the classification criteria cannot be considered to be met. (EC B4) Repeated contact may cause dry skin or skin cracks. The product irritates the mucous membranes and can cause abdominal pain when swallowed.

(c) serious eye damage/irritation

Based on the available data, the classification criteria cannot be considered to be met. (EC B5).

(d) respiratory or skin sensitisation

Based on the available data, the classification criteria cannot be considered to be met. (EC B6).

(e) germ cell mutagenicity

Based on the available data, the classification criteria cannot be considered to be met. (EC B10, B13/14 & B17).

(f) carcinogenicity

Based on the available data, the classification criteria cannot be considered to be met.

(g) reproductive toxicity

Based on the available data, the classification criteria cannot be considered to be met. (OECD 416).

(h) STOT-single exposure

Not classified as specific organ toxicant after single exposure.

(i) STOT-repeated exposure

Based on the available data, the classification criteria cannot be considered to be met. (OECD 408).

(j) aspiration hazard

May be fatal if swallowed if inhaled. If the product gets into the lungs after ingestion or vomiting, chemical pneumonia can occur.

INTERACTIVE EFFECTS

Not known.

ABSENCE OF DATA

Contains no endocrine disruptors.

SECTION 12. Ecological Information**12.1 TOXICITY**

Not classified as hazardous for the environment.

ECOTOXICOLOGICAL DATA FOR THE PRODUCT

LC50 Fish 96h: >1000 mg/l WAF (OECD 203) (not hazardous)

EC50 Daphnia 48h: >100 mg/l WAF (OECD 202) (not hazardous)

EL50 72h: > 100 mg/l WAF (OECD 201) (not hazardous)

NOEC, 21 days: 1 mg/l,

LOEC, 21 days: 3,2 mg/l,

WAF (OECD 211)

Sediment organisms

NOEC, 10 days: 373 mg/kg,

LOEC, 10 days: 1165 mg/kg,

LC₅₀, 10 days: 1200 mg/kg,

(OSPAR Protocols, Part A: Sediment Bioassay, 2005)

ECOTOXICITY FOR INGREDIENTS

See above for more information.

12.2 PERSISTENCE AND BIODEGRADATION

Rapidly degradable (OECD 301B).

12.3 BIOACCUMULATIVE POTENTIAL

Possibly bioaccumulative. log Kow: > 6,5 (EC A8)

12.4 MOBILITY IN SOIL AND WATER

Evaporates slowly. The product has poor water-solubility. The product contains substances which are bound to particulate matter and are retained in soil. Log Koc > 5.6 (EC C19).

12.5 RESULTS OF PBT- AND vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6 ENDOCRINE DISRUPTORS

This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher.

12.7 OTHER ADVERSE EFFECTS

Not known.

SUMMARY

Product is not classified as harmful for the environment. However, discharge into the environment should be avoided.

SECTION 13. Disposal Consideration**13.1 DISPOSAL FROM EXCESS/UNUSED PRODUCT**

In accordance with directive 2000/532/EC unused product is hazardous waste.

Suggestion of EWC-code:

07 06 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

07 06 01* aqueous washing liquids and mother liquors

WASTE

Waste is classified as hazardous waste and should be taken care of in conformity with national and local regulations.

WASTE TREATMENT METHODS

Hazardous waste. Do not mix with halogenated waste. Larger quantities of contaminated goods are left for destruction.

CONTAMINATED PACKAGING

Contaminated packaging is hazardous waste and is handled in accordance with national and local regulations.

SECTION 14. Transport Information

Not classified as dangerous goods in accordance with ADR/RID/IMO/DGR.

14.1 ENVIRONMENTAL RISKS

Not known.

14.2 SPECIAL SAFETY MEASURES

Not known.

14.3 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not applicable.

SECTION 15. Regulatory Information**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

Safety data sheet and classification in accordance with CLP (Regulation 1272/2008/EC) and Commission Regulation (EU) 878/2020 (REACH, Annex II).

15.2 CHEMICAL SAFETY ASSESSMENT

A Chemical safety assessment (CSA) according to REACH has not been conducted for the product. See section 16 for further information.

SECTION 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

A chemical safety assessment (CSA) has been established for the product. See Chemical Safety Assessment (CSA) for sources.

REVISION

Version 1 (2023-05-20): original document.

OTHER INFORMATION

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