



SAFETY DATA SHEET

RBS GREENLEASE BIO MO2

Page: 1

Compilation date: 18/02/2016

Revision date: 12/09/2018

Revision No: 3

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

1.1. Product identifier

Product name: RBS GREENLEASE BIO MO2

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

Use of substance / mixture: PC24: Lubricants, greases, release products.

1.3. Details of the supplier of the safety data sheet

Company name: RESAPOL BUILDING SOLUTIONS

Unit D4

Moss Industrial Estate

Walter Leigh Way

Leigh

WN7 3PT

United Kingdom

Tel: 01942 609 002

Fax: 01942 674 799

Email: info@resapol.com

1.4. Emergency telephone number

Emergency tel: 01942 609 001

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 3: H412; Asp. Tox. 1: H304; -: EUH208

Most important adverse effects: Contains d-limonene. May produce an allergic reaction. Harmful to aquatic life with long lasting effects. May be fatal if swallowed and enters airways.

2.2. Label elements

Label elements:

Hazard statements: EUH208: Contains d-limonene. May produce an allergic reaction.

H412: Harmful to aquatic life with long lasting effects.

H304: May be fatal if swallowed and enters airways.

Precautionary statements: P273: Avoid release to the environment.

P301+310: IF SWALLOWED: Immediately call a doctor.

P331: Do NOT induce vomiting.

P501: Dispose of contents/container to hazardous or special waste collection point.

SAFETY DATA SHEET

RBS GREENLEASE BIO MO2

Page: 2

2.3. Other hazards

Other hazards: If swallowed accidentally, the product may enter the lungs due to its low viscosity component and lead to the rapid development of very serious pulmonary lesions (medical survey during 48 hrs.)

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HYDROCARBONS, C15 - C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS - REACH
registered number(s): 01-2119827000-58

EINECS	CAS	PBT / WEL	CLP Classification	Percent
934-956-3	-	-	Asp. Tox. 1: H304	50-70%

D-LIMONENE

227-813-5	5989-27-5	-	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Remove contact lenses, if present, and easy to do.

Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Risk of product entering the lungs on vomiting after ingestion, in this case casualty should be sent immediately to hospital. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and put in a rest position comfortable for breathing. Get medical assistance if any discomfort continues. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position.

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

Skin contact: This substance does not meet the EU criteria for classification Non-irritating during normal use.

Eye contact: This substance does not meet EU criteria for classification. Non-irritating during normal use.

Ingestion: If swallowed accidentally the product may enter the lungs due to its low viscosity and

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SAFETY DATA SHEET

RBS GREENLEASE BIO MO2

Page: 3

lead to rapid development of severe inhalation pulmonary lesions (medical survey during 48 hours). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation: This substance does not meet the criteria for classification. Vapours inhaled in strong concentration have a narcotic effect on the central nervous system. The inhalation of vapours or aerosols may be irritating for the respiratory tract and for mucous membranes.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide. Water fog. Dry chemical powder. 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

Exposure hazards: Vapour may travel considerable distance to source of ignition and flash back. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: If outside keep bystanders upwind and away from danger point. Evacuate the area immediately. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a suitable container. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Do not handle in a confined space. Ensure there is sufficient ventilation of the area. Do not breathe vapours or spray mist. Avoid direct contact with the substance. Smoking is forbidden.

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SAFETY DATA SHEET

RBS GREENLEASE BIO MO2

Page: 4

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from direct sunlight. Keep container tightly closed. Avoid strong acids and oxidizing agents.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): PC24: Lubricants, greases, release products.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	5mg/m ³	-	-	-

Respirable dust

Hazardous ingredients:

HYDROCARBONS, C15 - C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS

Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	5mg/m ³	10mg/m ³	-	-

Respirable dust

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Respiratory protective device with particle filter. When workers are facing concentrations above the exposure limit they must use appropriate respirators. In case of vapours and aerosol formation, a respirator with combination filter for vapour/particulate Type A2/P2 must be used. Warning! filters have a limited use duration.

Hand protection: Protective gloves. Nitrile gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Solvent resistant protective clothing. Boots.

Environmental: Ensure storage room has retention walls. Storage should be placed inside a fully bunded area of sufficient size to contain the volume plus 10%. Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

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SAFETY DATA SHEET

RBS GREENLEASE BIO MO2

Page: 5

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale yellow

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: Not applicable.

Solubility in water: Insoluble

Viscosity: Non-viscous

Kinematic viscosity: 9

Viscosity test method: Kinematic viscosity in 10-6 m2/s at 40°C (ISO 3104/3105)

Boiling point/range°C: >275

Melting point/range°C: Not applicable.

Flammability limits %: lower: 1%

upper: 6%

Flash point°C: 133

Part.coeff. n-octanol/water: Not applicable.

Autoflammability°C: 230

Vapour pressure: 0.001 hPa

Relative density: 0.847 @15.6C

pH: Not applicable.

VOC g/l: Not applicable.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Flames. Sources of ignition. Heat.

10.5. Incompatible materials

Materials to avoid: Oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

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SAFETY DATA SHEET

RBS GREENLEASE BIO MO2

Page: 6

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>5000	mg/kg
DERMAL	RBT	24H LD50	>3160	mg/kg
VAPOURS	RAT	4H LD50	>5266	mg/kg aerosol

Hazardous ingredients:

D-LIMONENE

ORL	MUS	LD50	5600	mg/kg
ORL	RAT	LD50	4400	mg/kg
SCU	MUS	LD50	3170	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Aspiration hazard	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: This substance does not meet the EU criteria for classification Non-irritating during normal use.

Eye contact: This substance does not meet EU criteria for classification. Non-irritating during normal use.

Ingestion: If swallowed accidentally the product may enter the lungs due to its low viscosity and lead to rapid development of severe inhalation pulmonary lesions (medical survey during 48 hours). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation: This substance does not meet the criteria for classification. Vapours inhaled in strong concentration have a narcotic effect on the central nervous system. The inhalation of vapours or aerosols may be irritating for the respiratory tract and for mucous membranes.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
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SAFETY DATA SHEET

RBS GREENLEASE BIO MO2

Page: 7

Scophthalmus maximus	96H LL50	>1028	mg/l
Acartia tonsa	48H LL50	>3193	mg/l
MARINE ALGAE (Skeletonema costatum)	72H ErL50	>10,000	mg/l

Hazardous ingredients:

HYDROCARBONS, C15 - C20, N-ALKANES, ISOALKANES, CYCLICS,<0.03% AROMATICS

ALGAE	72H IC50	>10,000	mg/l
DAPHNIA	48H EC50	>3193	mg/l
FISH	96H LC50	>1028	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Given its physical and chemical characteristics, the product generally shows low soil mobility. The product is immiscible with water and will spread on water surfaces.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Return IBC's (with lids) to supplier. Other containers and packaging (including lidless IBC's) must be arranged for collection by a specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

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SAFETY DATA SHEET

RBS GREENLEASE BIO MO2

Page: 8

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

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.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.