



Material safety data sheet according to EC-directive 1907/2006 (REACH)

Product name:
Greenclean

version: 3.5

Date of issue: 18.05.2011

adapted

Print date: 12.03.2013

01. Substance/preparation and company identification

Product name

Greenclean

Use:

Cleaner

Company **Roclar Ltd**
Street **272 Bath Street**
Zip Code/town **Glasgow, G2 4JR**
Phone: **0044 (0) 7892810124**

E-Mail **jim.melrose1@roclar.co.uk**
Emergency **+44 (0) 7892810124**

02. Hazards Identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) 1272/2008/EC

Mixture: CLP classification not requested

2.1.2. Classification according to EU Directives 67/548/EC or 1999/45/EC

Classification : The product is non-dangerous in accordance with Directive 1999/45/EC.
Not classified

2.2 Label elements

2.2.1. Labelling according to Regulation (EU) 1272/2008

Mixture: CLP classification not requested

2.2.2. Labelling according to Directives (67/548/EEC - 1999/45/EC)

S-phrases : S2 - Keep out of the reach of children.

S7 - Keep container tightly closed.

S25 - Avoid contact with eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3. Other hazards

Other hazards which do not result in classification :

Results of PBT and vPvB assessment : ,Non-classified PBT substance , ,Non-classified vPvB substance .

03. Composition/Information on ingredients

3.1. Substances



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Not applicable

3.2. Mixtures

Substance name	Product identifier	content (%)	Classification according to Directive 67/548/EEC
yeast-vegetable oil	(CAS No.) - (EC No.) - (EC Index) -	3 - 5%	Not classified
Substance name	67-63-0	content (%)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
yeast-vegetable oil	(CAS No.) - (EC No.) - (EC Index) -	3 - 5%	Not classified

Full text of R-, H- and EUH-phrases: see section 16.

Identification of the mixture : The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.

04. First-aid measures

4.1. Description of first aid measures

Inhalation : Not applicable

Skin contact : Not applicable

Eye contact :
Remove contact lenses.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Consult a physician.

Ingestion :
Do NOT induce vomiting
Rinse mouth.
Drink plenty of water.
Consult a physician if necessary.

Additional advice :
Never give anything by mouth to an unconscious person.
Show this safety data sheet to the doctor in attendance.
Treat symptomatically.
When symptoms persist or in all cases of doubt seek medical advice



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

Inhalation : Health injuries are not known or expected under normal use.
Skin contact : No sensitisation responses were observed.
Eye contact : May be irritating.
Ingestion : Health injuries are not known or expected under normal use.

4.3. Indication of immediate medical attention and special treatment needed

No data available

05. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Extinguishing media which shall not be used : None known
for safety reasons

5.2. Special hazards arising from the substance or mixture

Fire Hazard : Not combustible.
Specific hazards : None known

5.3. Advice for firefighters

Advice for firefighters : No special handling advice required

06. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel : Avoid contact with eyes.
Advice for emergency responders : No special handling advice required.

6.2. Environmental precautions

Environmental precautions : none

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Prevent further leakage or spillage if safe to do so.
Rinse with plenty of water.

6.4. Reference to other sections



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See also section 8 . See also section 13

07. Handling and storage

7.1. Precautions for safe handling

Handling : No special handling advice required. The product is not flammable nor combustible.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep containers tightly closed in a dry, cool and well-ventilated place. Do not freeze.

Packaging material : Store in original container.

7.3. Specific end use(s)

not applicable.

08. Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) : not applicable

8.2. Exposure controls

Respiratory protection : not required
Hand protection : No special protective equipment required.
Eye protection : No special protective equipment required.
Skin and body protection : No special protective equipment required.
Engineering measures : not required
Environmental exposure controls : not required

09. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance : liquid
Colour : Light green to light yellow
Odour : no data available
pH : 11,3 (@20°C)



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Melting point/range :	not applicable
Boiling point/boiling range :	~ 100 °C
Flash point :	The product is not flammable.
Evaporation rate :	no data available
Explosion limits :	not applicable
Vapour pressure :	no data available
Vapour density :	no data available
Density :	1,1 - 1,12 g/cm ³
Water solubility :	completely miscible
Partition coefficient:	n-octanol/water : no data available
Autoignition temperature :	not applicable
Viscosity :	300 - 600 cSt (@20°C)
Explosive properties :	not applicable
Oxidizing properties :	not applicable

9.2. Other information

Surface tension : 20 - 30 mN/m

10. Stability and reactivity

10.1. Reactivity

Reactivity : See also section 10.5

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : None under normal processing.

10.4. Conditions to avoid

Conditions to avoid : None known .

10.5. Incompatible materials

Incompatible materials : None known.

10.6. Hazardous decomposition products

Hazardous decomposition products : No decomposition if stored and applied as directed.

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Not classified due to data which are conclusive although insufficient for classification.)



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yeast-vegetable oil (-)	value
LD50/oral/rat	> 2000 mg/kg

Irritation :	Not classified (Not classified due to data which are conclusive although insufficient for classification.) pH: 11,3 (@20°C)
Corrosivity :	Not classified (Not classified due to data which are conclusive although insufficient for classification.) pH: 11,3 (@20°C)
Sensitisation :	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Repeated dose toxicity :	Not classified (Not classified due to lack of data.)
Carcinogenicity :	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Mutagenicity :	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Reproductive toxicity :	Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Further information

12. Ecological information

12.1. Toxicity

Ecotoxicity effects :	not hazardous
Component :	yeast-vegetable oil (-)
LC50/96h/fish :	> 100 mg/l <i>Leuciscus idus</i>
EC50/48h/daphnia :	> 128 mg/l <i>Daphnia magna</i>

12.2. Persistence and degradability

Persistence and degradability :	Readily biodegradable.
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12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water : no data available

12.4. Mobility in soil

Mobility :	Very mobile in the soil .
Surface tension :	20 - 30 mN/m

12.5. Results of PBT and vPvB assessment

PBT/vPvB :	This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).
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12.6. Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products :

Handle with care. See also section 7 . Handling and storage .Dispose of in accordance with local regulations. Flush into sewer with plenty of water. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Contaminated packaging :

Codes of waste (2001/573/EC, 75/442/EEC, :
91/689/EEC)

The following Waste Codes are only suggestions: 20 01 30 detergents other than those mentioned in 20 01 29 , 15 01 02 – Plastic packaging . Waste codes should be assigned by the user based on the application for which the product was used.

14. Transport Information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

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

15.1.1. EU-Regulations

Authorisations/Restrictions on use :

not applicable

15.1.2. National regulations

WGK : 1

15.2. Chemical Safety Assessment

No data available

16. Other information

Abbreviations and acronyms :

ADNR = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route



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CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods Code

LEL = Lower Explosive Limit/Lower Explosion Limit

UEL = Upper Explosion Limit/Upper Explosive Limit

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

CSR = Chemical Safety Report

LD50 = Median lethal dose

DNEL = Derived No Effect Level

PNEC = Predicted No Effect Concentration

STEL = Short term exposure limit

TLV = Threshold limits

TWA = time weighted average persistent, bioaccumulating and toxic (PBT).

very persistent and very bioaccumulating (vPvB).

WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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