

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Review date: 08/12/2022 Supersedes version of: 05/10/2021 Version: 11.0

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

1.1. Product identifier

Product form : Mixture

Product name : GREEN'R FLOORS

Product code : 1135

Type of product : Detergent

Product group : Mixture

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

1.2.1. Relevant identified uses

Main use category : Professional uses
Use of the substance/mixture : Detergent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Christeyns France 31 rue de la Maladrie 44120 VERTOU

France

T +33 (0)240 80 27 27 - F +33 (0)240 03 09 73 health-security@christeyns.fr - www.christeyns.com

Distributor

Christeyns UK Ltd. Rutland Street GB– Bradford BD4 7EA United Kingdom

T +44 (0)1274 39 32 86 - F +44 (0)1274 30 91 43 info@christeyns.be - www.christeyns.com

Distributor

Christeyns Food Hygiene Ltd. Ltd 2, Cameron Court, Winwick Quay GB– WA2 8RE Warrington – Cheshire United Kingdom

T +44 (0)1925 23 46 96 - F +44 (0)1925 23 46 93 <u>UK-foodinfo@christeyns.com</u> - <u>www.christeyns.com</u>

Distributor

Casoria Company Ltd. Ltd 1 Farnham Street IE– H12 A9K0 Cavan – Co. Cavan Ireland

T 00353 49 4361869 - F 00353 49 436 1869

sds@casoria.ie - www.casoria.ie

Distributor

T+353 1 8146022

Christeyns Technologies Ltd.
Mazars, Block 3, Harcout Centre, Harcourt Road
IE– 2 Dublin
Ireland

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
(2-methoxymethylethoxy)propanol substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, AL, IS, NO, MK, RS, CH, TR); substance with a Community workplace exposure limit	CAS-no: 34590-94-8 Einecs nr: 252-104-2 REACH-no: 01-2119450011- 60	3 – 5	Not classified
Ethanol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH)	CAS-no: 64-17-5 Einecs nr: 200-578-6 EG annex nr: 603-002-00-5 REACH-no: 01-2119457610- 43	1-3	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Alkylpolyglucoside	CAS-no: 68515-73-1 Einecs nr: 500-220-1 REACH-no: 01-2119488530- 36	≥1-<3	Eye Dam. 1, H318
Fatty acids, coco, sodium salts	CAS-no: 61789-31-9 REACH-no: exemption annexe V formation in situ	1 – 3	Skin Irrit. 2, H315 Eye Irrit. 2, H319

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
Alkylpolyglucoside	CAS-no: 68515-73-1 Einecs nr: 500-220-1 REACH-no: 01-2119488530- 36	(5 ≤C < 100) Eye Dam. 1, H318	

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : In case of doubt or persistent symptoms, consult always a physician.

Inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable

for breathing.

Skin contact : Take off contaminated clothing and wash it before reuse.

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. If eye irritation persists: Get medical

advice/attention.

Ingestion : Rinse mouth with water, do not induce vomiting, call a doctor.

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

Acute effects inhalation : No data available.

Acute effects skin : No data available.

Acute effects eyes : No data available.

Acute effects oral route : No data available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Water spray. Dry powder. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire

: Combustion products may include the following: carbon oxides (CO, CO2) (carbon

monoxide, carbon dioxide) nitrogen oxides (NO, NO2 etc.).

5.3. Advice for firefighters

Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Prevent fire fighting water

from entering the environment.

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene.

Evacuate unnecessary personnel. Do not breathe vapours. Avoid contact with skin and

eyes. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Use self-contained breathing apparatus and chemically protective clothing.

Emergency procedures : Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any

place where its accumulation can be dangerous.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth.

Methods for cleaning up : Clear up rapidly by scoop or vacuum. Flush residue with large amounts of water.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink

or smoke when using this product. Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Store at ambient temperature. Protect from sunlight.

Storage temperature $: 5 - 40 \, ^{\circ}\text{C}$ Material(s) to avoid : Not determined.

Storage area : Store in a well-ventilated place.

7.3. Specific end use(s)No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Ethanol (64-17-5)		
United Kingdom - Occupational Exposure Limits		
Local name Ethanol		
WEL TWA (OEL TWA) [1]	1920 mg/m³	
WEL TWA (OEL TWA) [2] 1000 ppm		
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
(2 method method the way) meneral (24500 04 0)		

(2-methoxymethylethoxy)propanol (34590-94-8)

FIL - Indicative Occupational Exposure Limit (IOFL)

EO - mulcative Occupational Exposure Limit (IOEE)		
Local name	(2-Methoxymethylethoxy)-propanol	
IOEL TWA	308 mg/m³	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

(2-methoxymethylethoxy)propanol (34590-94-8)			
IOEL TWA [ppm]	50 ppm		
Remark	Skin		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC COMMISSION DIRECTIVE 2000/39/EC		
Ireland - Occupational Exposure Limits			
Local name	(2-Methoxymethylethoxy)-l-propanol		
OEL TWA [1]	308 mg/m³		
OEL TWA [2]	50 ppm		
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)		
Regulatory reference	Chemical Agents Code of Practice 2021		
United Kingdom - Occupational Exposure Limits	United Kingdom - Occupational Exposure Limits		
Local name	(2-methoxymethylethoxy) propanol		
WEL TWA (OEL TWA) [1]	308 mg/m³		
WEL TWA (OEL TWA) [2]	50 ppm		
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)		
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE		

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Not required for normal conditions of use

8.2.2.2. Skin protection

Protective equipment:

None under normal use

Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Time of penetration is to be checked with the glove producer. Nitrile rubber gloves

8.2.2.3. Respiratory protection

Respiratory protection:

No personal breathing protective equipment is normally required. In case of inadequate ventilation wear respiratory protection. Breathing apparatus with combined vapor/particle filter (EN 141). Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

8.2.2.4. Thermal hazards

No additional information available

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Green.
Physical state/form : Liquid.
Odour : perfumed.
Odour threshold : Not available

Melting point/range : Not determined as it is not relevant for the characterization of the product
Freezing point : Not determined as it is not relevant for the characterization of the product
Softening point : Not determined as it is not relevant for the characterization of the product
Boiling point/Boiling range : Not determined as it is not relevant for the characterization of the product

Flammability : Not applicable (aqueous liquid)

Explosive properties : Constituents do not contain chemical groups associated with explosivity.

Oxidising properties : Non oxidizing Explosive limits : Not available

Lower explosion limit : Not determined as it is not relevant for the characterization of the product Upper explosion limit : Not determined as it is not relevant for the characterization of the product

Flash point : 67.5 °C

Autoignition temperature : Not determined as it is not relevant for the characterization of the product Decomposition temperature : Not determined as it is not relevant for the characterization of the product

pH : 8.5 – 9.5
pH solution concentration : 100 %
Viscosity, kinematic : Not available
Solubility : Water: 100 %
Partition coefficient n-octanol/water (Log Kow) : Not available

Log Pow : Not applicable for preparations

Vapour pressure : 0.4 hPa (2-methoxymethylethoxy)propanol

Vapour pressure at 50°C : Not available

Density : Not available

Relative density : 1.005 – 1.015

Relative vapour density at 20°C : 0.037 (2-methoxymethylethoxy)propanol

Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 6.3 % (VOC Swiss)

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

LC50 Inhalation - Rat (Vapours) 51 mg/l/4h

(2-methoxymethylethoxy)propanol (34590-94-8)

7 7 7 1 (<i>'</i>
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	13000 – 14000 mg/kg

Skin corrosion/irritation : Not classified

pH: 8.5 – 9.5

Serious eye damage/irritation : Not classified ${\rm pH:}~8.5-9.5$

Additional information : CAS No. 68515-73-1: Specific concentration limits specified by the supplier

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

Ethanol (64-17-5)

NOAEL (oral, rat) 1730 mg/kg bodyweight (90d, female)

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified according 1272/2008/CE.

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term

(chronic)

: Not classified

(2-methoxymethylethoxy)propanol (34590-94-8)		
EC50 - Crustacea [1] 1.919 mg/l		
ErC50 other aquatic plants > 969 mg/l		
LOEC (chronic) 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'		
DEC (chronic) ≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'		

12.2. Persistence and degradability

GREEN'R FLOORS			
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.		
Ethanol (64-17-5)			
Persistence and degradability	Biodegradable.		

12.3. Bioaccumulative potential

GREEN'R FLOORS	
Log Pow	Not applicable for preparations

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

(2-methoxymethylethoxy)propanol (34590-94-8)

Log Pow 0.004 (25 °C; pH 7,5 - 7,7) (OECD 107)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

Waste treatment methods

Product/Packaging disposal recommendations

Waste / unused products

European List of Waste (LoW) code HP Code

: Disposal must be done according to official regulations.

- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. Refer to manufacturer/supplier for information on recovery/recycling.
- : Collect all waste in suitable and labelled containers and dispose according to local legislation.
- : 20 01 30 detergents other than those mentioned in 20 01 29
- : HP3 "Flammable:"
- flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
- flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
- flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
- flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
- water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
- other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA	
14.1. UN number or ID number			
Not regulated	Not regulated	Not regulated	
14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	
14.4. Packing group			
Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	
No supplementary information available			

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Air transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

CESIO recommendations

: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Other information, restriction and prohibition

regulations

: Not affected by the conditions of restriction _ ANNEXE XVII.

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : 6.3 % (VOC Swiss)

Detergent Regulation (648/2004)

Labelling of contents		
Component	%	
non-ionic surfactants, anionic surfactants, polycarboxylates, soap	<5%	
BENZISOTHIAZOLINONE		
perfumes		

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes				
Section	Changed item	Change	Comments	
3		Modified		

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:			
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road		
ATE	Acute Toxicity Estimate		
BCF	Bioconcentration factor		
BLV	Biological limit value		
BOD	Biochemical oxygen demand (BOD)		
COD	Chemical oxygen demand (COD)		
DMEL	Derived Minimal Effect level		
DNEL	Derived-No Effect Level		
EC-No.	European Community number		
EC50	Median effective concentration		
EN	European Standard		
IARC	International Agency for Research on Cancer		
IATA	International Air Transport Association		
IMDG	International Maritime Dangerous Goods		
LC50	Median lethal concentration		
LD50	Median lethal dose		
LOAEL	Lowest Observed Adverse Effect Level		
NOAEC	No-Observed Adverse Effect Concentration		
NOAEL	No-Observed Adverse Effect Level		
NOEC	No-Observed Effect Concentration		
OECD	Organisation for Economic Co-operation and Development		
OEL	Occupational Exposure Limit		
PBT	Persistent Bioaccumulative Toxic		
PNEC	Predicted No-Effect Concentration		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
SDS	Safety Data Sheet		
STP	Sewage treatment plant		
ThOD	Theoretical oxygen demand (ThOD)		
TLM	Median Tolerance Limit		
VOC	Volatile Organic Compounds		
CAS-No.	Chemical Abstract Service number		
N.O.S.	Not Otherwise Specified		
vPvB	Very Persistent and Very Bioaccumulative		
ED	Endocrine disrupting properties		

Other information

: It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. Such information is actually to be best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other product(s). EC Regulation 1272/2008 and its amendments.

Full text of H- and EUH-statements:		
EUH210	Safety data sheet available on request.	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:		
Flam. Liq. 2	Flammable liquids, Category 2	
H225	Highly flammable liquid and vapour.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.