

Safety data sheet

according to Regulation (EC) No. 1907/2006 (REACH) as amended by Regulation (EU) 2015/830 Bio Cleaner BR-2130-

R2U

Version: 2.0 revision date 14.12.2021

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SECTION 01. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product shape Mixture/Cleaning agent

trade name Bio Cleaner R2U - BR-2130-R2U

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

1.2.1 Relevant identified uses

Intended for professionals and the general public

The main category of use Consumer use, professional use

use Use of the substance/ mixture Cleaning solution (RTU, dilution 1 part concentrate + 9 parts water)

mixture 1.2.2 Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

Producer

CCM GmbH

Diepenbroich 8 Phone: +49 2206 / 938590-0
D-51491 Overath Fax: +49 6821 / 938590-99

Email info@ccm-international.eu 1.4.

www.ccm-international.eu

Emergency phone number

Poisson Control Center DE-Mainz, phone +49 6131 19240 (24 hours)

Section 02. Hazard identification

2.1. Classification of the substance or mixture

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

not

Adverse physicochemical effects on human health and the environment

2.2. Labeling elements

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

Hazard pictograms (CLP) not

Signal word (CLP) without signal word

Hazard statements (CLP)

Precautionary statements (CLP)

P101 – If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P262 - Avoid contact with eyes, skin, or clothing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

Remove contact lenses, if present and easy to do. Continue rinsing.

EUH phrases

-

Child safety lock not

Tactile warning not

2.3. Other dangers

This substance/mixture does not meet the PBT criteria of REACH regulation, Annex XIII.

This substance/mixture does not meet the vPvB criteria of the REACH regulation, Annex XIII.

The mixture does not contain substances included in the list established in accordance with Article 59(1) of REACH as 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 in Commission Regulation (EU) 2018/605.

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SECTION 03. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments: Solution, alcohol

No. EG CAS No. INDEX-No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	g% / comment
-	-	-

Full text of H and EUH phrases: see section 16

SECTION 04. First aid measures

4.1. Description of first aid measures

First aid measures after inhalation

Remove the person to fresh air and keep in a position comfortable for breathing.

First aid measures after skin contact

Rinse skin with water/shower. Remove all contaminated clothing immediately.

First aid measures after eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present. If applicable and if they can be easily removed. Continue rinsing. If eye irritation occurs persists: Seek medical advice/attention.

First aid measures after ingestion

Call a poison control center or doctor if you feel unwell.

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

Dizziness, double vision and other typical symptoms of alcohol intoxication. Vomiting, unconsciousness.

Symptoms/effects after eye contact: Irritation of eyes, skin and respiratory tract.

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

Symptomatic treatment.

SECTION 05. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture concerned

Fire hazard

Flammable liquid and vapor

Hazardous decomposition products in case of fire

Toxic fumes may be released.

5.3. Tips for firefighters

Protection during firefighting

Do not attempt to take action without proper protective equipment.

Self-contained breathing apparatus. Full protective clothing.

SECTION 06. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not involved in emergency situations

Emergency procedures

Ventilate the area where the leak occurred. Do not use open flames, sparks or smoke. Avoid contact with skin and eyes.

6.1.2. For emergency response personnel

Protective equipment Do

not attempt to take action without appropriate protective equipment. For further information, see section 8: "Exposure controls/personal protection" individual".

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6.2. Environmental

precautions Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning

up Contain spilled liquid in absorbent material. Notify authorities if product enters drains or public waters.

Other information

Dispose of materials or solid residues at an authorized collection point.

6.4. References to other sections

For further information, see section 13.

SECTION 07. Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Ensure good ventilation of the work area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautions against static discharge. Flammable vapors may accumulate in container. Use explosion-proof equipment.

Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene measures

Do not eat, drink or smoke while using this product. Always wash hands after handling the product.

Information on explosion and fire protection:

Do not smoke, keep away from ignition sources.

Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

Ground/bond the receptacle and receiving equipment.

Storage conditions

Store in a well-ventilated place. Store in a cool place. Keep container tightly closed.

7.3. Specific and use(s)

No additional information is available.

SECTION 08. Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure limit values and biological limit values

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Atmospheric contaminants formed

No additional information available 8.1.4 DNEL

and PNEC No

additional information available

8.1.5 Control strip

No additional information available.

8.2. Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation of the workplace.

8.2.2 Personal protective equipment

Personal protective equipment symbol(s)



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8.2.2.1 Eye and face protection

Eye protection:

Goggles

8.2.2.2 Skin protection

Skin and body protection:

Wear appropriate protective clothing.

Hand protection

Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Please follow the instructions regarding permeability and breakthrough time provided by the manufacturer. Choosing the right glove is a decision that depends not only on the type of material, but also on other quality characteristics, which differ for each manufacturer.

8.2.2.3 Respiratory protection

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4 Thermal risks

No additional information available.

8.2.3 Control of exposure to environmental factors

Environmental exposure controls: Avoid release to the environment.

SECTION 09. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical condition	liquid
Color:	yellow/green
Smell:	typical
Odor tolerance threshold:	no data available
pH value (at 20°C) relative evaporation rate (butyl acetate=1)	10.5 – 11.5
Melting point	indefinite
Freezing point	indefinite
Boiling point	97 – 101 °C
Flash point	does not apply
Autoignition temperature	indefinite
Decomposition temperature	indefinite
Flammability (solid, gas)	indefinite
Vapor pressure	indefinite
Relative vapor density at 20°C	indefinite
Relative density	indefinite
Density	1.0 – 1.2 g/cm³
Solubility	completely miscible with water
n-Octanol/Water Partition Coefficient (Log Pow)	indefinite
Kinematic viscosity	indefinite
Dynamic viscosity	indefinite
Explosive properties	indefinite
Branded properties	indefinite
Lower explosive limit (LEL)	indefinite
Upper explosion limit (UEL)	indefinite

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9.2. Other information

VOC content: <0.1%

SECTION 10. Stability and reactivity

10.1. Reactivity

N/A

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions are known under normal conditions of use.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be formed.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

High quality biogenic polymer

Acute toxicity (oral)	CLASSIFIED
Acute toxicity (dermal)	CLASSIFIED
Acute toxicity (inhalation)	CLASSIFIED
Main irritant effect:	
Skin corrosion/irritation	Causes skin irritation
Serious eye damage/irritation	Does not cause eye irritation
Respiratory or skin hygiene	Based on available data, the classification criteria are not met.
Subacute to chronic toxicity	can lead to liver damage
Germ cell mutagenicity	
Carcinogenicity	CLASSIFIED
Ethanol (CAS no. 64-17-5):	IARC Group 1 – carcinogenic to humans
Reproductive toxicity	CLASSIFIED
STOT exposure	
Aspiration hazard	CLASSIFIED

SECTION 12. Ecological information

12.1. Toxicity

Ecology - generalities

the product is not considered harmful to aquatic organisms nor does it cause long-term adverse effects on the environment

Hazardous to the aquatic environment, short term (acute)

CLASSIFIED

Hazardous to the aquatic environment, long term (chronic)

CLASSIFIED

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12.2. Persistence and degradability

No additional information is available.

12.3. Bioaccumulative potential

No additional information is available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessments

This substance/mixture does not meet the PBT criteria of REACH regulation, Annex XIII.

This substance/mixture does not meet the vPvB criteria of the REACH regulation, Annex XIII.

12.6. Other adverse effects

No additional information available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods Waste

treatment methods

Dispose of contents/container in accordance with authorized collector regulations. sorting instructions

Flammable vapors may

accumulate in the container.

Additional Information

SECTION 14. Transport information

In accordance with ADR / IMDG / IATA

No DGR / No dangerous goods

	ADR	IMDG	BEHOLD
14.1	UN number		
	-	-	-
14.2	Incorrect shipping name		
	-	-	-
	Description of the transport document		
	-	-	-
14.3	Transport hazard class(es)		
	-	-	-
	-	-	-
14.4	Packing group		
	-	-	-
14.5	Environmental hazards		
	Environmental hazard: no	Environmental hazard: no	Environmental hazard: no
		Marine pollutant: No	

14.6 Special precautions for user Land

transport Classification

code (ADR)

-

Special provisions (ADR)

-

Limited quantities (ADR)

-

Excepted quantities (ADR)

Maximum net quantity per inner packaging: -

Maximum net quantity per outer packaging: -

-

Packing instructions (ADR)

-

Mixed packing provisions (ADR)

-

Instructions for portable tanks and bulk containers (ADR)

-

Portable tank and bulk containers special

-

provisions (ADR)

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Tank code (ADR)

Tanker transport vehicle

Transport category (ADR)

Special provisions for carriage – Parcels (ADR)

Special provisions for carriage – Operation (ADR)

Hazard identification number (Kemler no.)

Orangecolor board

Tunnel Restriction Code (ADR)

EAC Code

Sea transport

Special provisions (IMDG)

Limited quantities (IMDG)

Excepted quantities (IMDG)

Packing instructions (IMDG)

IBC packing instructions (IMDG)

Tank instructions (IMDG)

Special provisions for tanks (IMDG)

EmS-No (Fire)

EmS-No (Leak)

Storage category (IMDG)

Properties and remarks (IMDG)

Air transport

PCA Excepted Quantities (IATA)

Limited quantities PCA (IATA)

Maximum net quantity PCA Limited quantities (IATA)

PCA Packing Instructions (IATA)

Maximum net quantity PCA (IATA)

CAO Packing Instructions (IATA)

Maximum net quantity CAO (IATA)

Special provisions (IATA)

ERG code (IATA)

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15. Regulatory Information

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

15.1.1 EU regulations

Does not contain REACH substances with restrictions from Annex XVII

Does not contain substances on the REACH candidate list

Does not contain REACH Annex XIV substances

It does not contain substances subject to Regulation (EU) No. 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals.

It does not contain any substances subject to Regulation (EU) No. 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

VOC content

<0.1%

15.1.2 National regulations

Information about usage limitations:

Employment restrictions regarding pregnant and breastfeeding women must be observed.

Restrictions on youth employment must be respected.

15.2. Chemical safety assessment

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No chemical safety assessment has been carried out.

SECTION 16. Other information

Abbreviations and acronyms:	
DNA	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
	Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
Threads	Acute toxicity estimation
BCF	Bioconcentration factor
Blvd.	Biological limit value
BOD	biochemical oxygen demand (BOD)
CODE	chemical oxygen demand (COD)
DMEL	Minimum derived effect level
ladies	Derived level without effect
No. EG	European Community Number
EC50	Median effective concentration
EN	European standard
IARC	International Agency for Research on Cancer
BEHOLD	International Air Transport Association
IMDG	International maritime dangerous goods
IC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest level of adverse effect observed
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
EMCDDA	Organization for Economic Cooperation and Development
steel	Occupational exposure limit
PBT	Persistent bioaccumulative toxic
PNEC	Predicted no-effect concentration
ESCAPE	Regulation on the international transport of dangerous goods by rail
SDB	Safety data sheet
STP	Wastewater treatment plant
ThSB	Theoretical oxygen demand (ThOD)
TLM	Median tolerance limit
VOC	Volatile organic compounds
CAS No.	Chemical Abstracts Service Number
PONY	Not otherwise specified
vPvB	Very persistent and very bioaccumulative
ED	Endocrine-disrupting properties

Full text of H and EUH phrases:

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Classification is in accordance with EU SDS (REACH Annex II)

ATP 12

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