

# SAFETY DATA SHEET

In accordance with Regulation (EC) No. 2020/878 of June 18, 2020 amending Annex II to Regulation No. 1907/2006 European Parliament and of the Council on the registration, evaluation, authorization and applicable restrictions on chemicals (REACH)

## RoClean®BHP

Creation date	06th July 2023	Version	6.0 EU
Revision date			

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

**1.1. Product identifier**  
Substance / mixture: RoClean®BHP mixture  
UFI: 05M3-XHEQ-P00S-99YN

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**

#### Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

**1.3. Details of the supplier of the safety data sheet**

#### Manufacturer

Name or trade name	P.W. ROKO Robert Komorniczak
Address	ul. Wąska 23, Komorniki, 62-052 Poland
Identification number (CRN)	632379987
VAT Reg No	PL7810004269
Phone	+48618107819
E-mail	biuro@rokochemia.pl
Web address	rokochemia.pl

#### Competent person responsible for the safety data sheet

Name	P.W. ROKO Robert Komorniczak
E-mail	biuro@rokochemia.pl

**1.4. Emergency telephone number**  
European emergency number: 112

### SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

#### Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.

Full text of all classifications and hazard statements is given in the section 16.

**2.2. Label elements**

#### Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P264	Wash hands and exposed parts of the body thoroughly after handling.
P280	Wear eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

#### Supplemental information

<5 % anionic surfactants, <5 % amphoteric surfactants, <5 % EDTA and salts thereof, perfumes, DMDM hydantoin, methylchloroisothiazolinone, methylisothiazolinone, colorant, Limonene

**2.3. Other hazards**

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

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#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 68891-38-3 EC: 500-234-8 Registration number: 01-2119488639-16-XXXX	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	<5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Irrit. 2, H319: 5 % ≤ C < 10 % Eye Dam. 1, H318: C ≥ 10 %	
CAS: 56-81-5 EC: 200-289-5	glycerol	<3	not classified as dangerous	

Full text of all classifications and hazard statements is given in the section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

###### **If inhaled**

Terminate the exposure immediately; move the affected person to fresh air.

###### **If on skin**

Remove contaminated clothes.

###### **If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person.

###### **If swallowed**

DO NOT INDUCE VOMITING - even the induced vomiting can cause complications as in case of detergents and other foaming substances.

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

###### **If inhaled**

Not expected.

###### **If on skin**

Not expected.

###### **If in eyes**

Not expected.

###### **If swallowed**

Not expected.

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

Symptomatic treatment.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### **Suitable extinguishing media**

Accommodate extinguishing components to the location of fire.

###### **Unsuitable extinguishing media**

not available

##### 5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

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#### 5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

Follow the instructions in the Sections 7 and 8.

##### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

##### 6.3. Methods and material for containment and cleaning up

After removal of the product, wash the contaminated site with plenty of water.

##### 6.4. Reference to other sections

See the Section 7, 8 and 13.

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

##### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Content	Packaging type	Material of package
500 ml	bottle	PET
5 kg	jerry can	HDPE

##### 7.3. Specific end use(s)

not available

#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

###### DNEL

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Dermal	2750 mg/kg	Chronic effects systemic		
Workers (0)	Inhalation	175 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers (0)	Dermal	1650 mg/kg bw/day	Chronic effects systemic		
Consumers (0)	Inhalation	52 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers (0)	Oral	15 mg/kg bw/day	Chronic effects systemic		

###### PNEC

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Value	Value determination	Source
Drinking water	0.24 mg/l		
Marine water	0.024 mg/l		
Water (intermittent release)	0.071 mg/l		
Microorganisms in sewage treatment	10000 mg/l		
Freshwater sediment	0.9168 mg/kg		

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Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Value	Value determination	Source
Soil (agricultural)	7.5 mg/kg of dry substance of soil		

#### 8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

##### Eye/face protection

It is not needed.

##### Skin protection

When handling in long-term or repeatedly, use protective gloves.

##### Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

##### Thermal hazard

Not available.

##### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	white, brown, blue, green, yellow
Odour	according to fragrance
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	5,3-5,8 (undiluted at 20 °C)
Kinematic viscosity	data not available
Solubility in water	partially soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	0,99-1,02 g/cm <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid: viscous, gel

#### 9.2. Other information

not available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

not available

#### 10.2. Chemical stability

The product is stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Unknown.

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**10.4. Conditions to avoid**

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

**10.5. Incompatible materials**

Protect against strong acids, bases and oxidizing agents.

**10.6. Hazardous decomposition products**

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

**SECTION 11: Toxicological information**

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

**Acute toxicity**

Based on available data the classification criteria are not met.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD <sub>50</sub>	OECD 401	>5000 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD <sub>50</sub>	OECD 402	>2000 mg/kg		Rat (Rattus norvegicus)		

glycerol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD <sub>50</sub>		12600 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD <sub>50</sub>	OECD 402	>10000 mg/kg		Rat (Rattus norvegicus)		
Inhalation	LC <sub>50</sub>		>570 mg/m <sup>3</sup>	1 hour	Rat (Rattus norvegicus)		

RoClean®BHP

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		57450 mg/kg				Calculation of value

**Skin corrosion/irritation**

Based on available data the classification criteria are not met.

**Serious eye damage/irritation**

Based on available data the classification criteria are not met.

**Respiratory or skin sensitisation**

Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data the classification criteria are not met.

**Carcinogenicity**

Based on available data the classification criteria are not met.

**Reproductive toxicity**

Based on available data the classification criteria are not met.

**Toxicity for specific target organ - single exposure**

Based on available data the classification criteria are not met.

**Toxicity for specific target organ - repeated exposure**

Based on available data the classification criteria are not met.

**Aspiration hazard**

Based on available data the classification criteria are not met.

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#### 11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Acute toxicity

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Method	Value	Exposure time	Species	Environment
LC <sub>50</sub>	OECD 203	>10-100 mg/l	96 hours	Fish (Leuciscus idus)	

glycerol

Parameter	Method	Value	Exposure time	Species	Environment
LC <sub>50</sub>		>10000 mg/l	24 hours	Fish (Leuciscus idus)	
LC <sub>50</sub>		>5000 mg/l	24 hours	Fish (Carassius auratus)	
Log Pow		-2.66			

#### 12.2. Persistence and degradability

##### Biodegradability

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Value	Exposure time	Environment	Result
				Easily biodegradable

glycerol

Parameter	Value	Exposure time	Environment	Result
	>60 %	28 days		Easily biodegradable

The mixture is biodegradable.

#### 12.3. Bioaccumulative potential

Not available.

#### 12.4. Mobility in soil

Not available.

#### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

#### 12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

#### 12.7. Other adverse effects

Not available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

##### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

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#### SECTION 14: Transport information

- 14.1. UN number or ID number**  
not subject to transport regulations
- 14.2. UN proper shipping name**  
not relevant
- 14.3. Transport hazard class(es)**  
not relevant
- 14.4. Packing group**  
not relevant
- 14.5. Environmental hazards**  
not relevant
- 14.6. Special precautions for user**  
Reference in the Sections 4 to 8.
- 14.7. Maritime transport in bulk according to IMO instruments**  
not relevant

#### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- 15.2. Chemical safety assessment**  
not available

#### SECTION 16: Other information

##### A list of standard risk phrases used in the safety data sheet

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

##### Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P264	Wash hands and exposed parts of the body thoroughly after handling.
P280	Wear eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

##### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

##### Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EINECS	European Inventory of Existing Commercial Chemical Substances

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EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Skin Irrit.	Skin irritation

#### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

#### Recommended restrictions of use

not available

#### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

#### More information

Classification procedure - calculation method.

#### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.