

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

NOVABIO E

Creation date	31st January 2007	Version	6
Revision date	09th June 2022		

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

1.1. Product identifier NOVABIO E
Substance / mixture mixture

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

Mixture for biotechnological cleaning and degreasing

The use descriptors

PW Widespread use by professional workers

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

Supplier

Name or trade name	NOVATO
Address	Uralská 770/6, Praha, 160 00 Czech Republic
Identification number (CRN)	62910370
VAT Reg No	CZ62910370
Phone	+420 233 339 688
E-mail	petr.johanides@novato.cz
Web address	www.novato.cz

Competent person responsible for the safety data sheet

Name	ABITEC
E-mail	info@abitec.cz

1.4. Emergency telephone number

European emergency number: 112

National Health Service (NHS) 111

Poisoning information centre, Na Bojišti 1, Praha, Czech Republic, Tel.: non-stop +420 224 919 293 or +420 224 915 402, Information on health risks only - acute poisoning of humans and animals.

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.

Most serious adverse physico-chemical effects

The mixture was not found to be physico-chemically dangerous.

Most serious adverse effects on human health and the environment

The mixture does not contain components classified as hazardous to health. The sprayed mixture may slightly irritate the respiratory tract. Avoid contact with eyes. Avoid ingestion. Ensure against confusion with drinks. The mixture is not classified as dangerous for the environment. Avoid release to sewers and ground or surface waters. Follow the instructions for use to avoid risks to humans and the environment. The full wording of the classification and H phrases is given in Sect. 16 of this safety data sheet.

2.2. Label elements

none

2.3. Other hazards

Neither the mixture nor its components meet the criteria for persistent, bioaccumulative and toxic or very persistent and very bioaccumulative substances in accordance with Annex XIII, nor have they been listed compiled in accordance with Article 59, paragraph 1, due to the content of substances causing disruption of the endocrine system, nor was it determined as a substance with endocrine-disrupting properties activities 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 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture. The contained components of the mixture do not exhibit dangerous properties, nor are there any components with specified properties exposure limits of the Union for the work environment or limits according to Annex. No. 2, Reg. of the government 361/2007 Coll., in wording of later regulations.

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

none

SECTION 4: First aid measures

4.1. Description of first aid measures

In the event of health problems or in case of doubt, consult a doctor and provide him with information from this safety data sheet. In case of life-threatening conditions, perform resuscitation. When spontaneous vomiting prevent inhalation of vomitus.

If inhaled

In case of inhalation, leave the contaminated area, breathe fresh air. In the case of health seek medical help if you experience difficulties.

If on skin

Wipe off the mixture, wash with lukewarm water and soap, treat with a regenerating cream. When clothing is contaminated remove clothing. If skin irritation occurs, seek medical attention.

If in eyes

If the victim wears contact lenses, remove them. Flush wide open eyes with copious amounts clean lukewarm water, especially the area under the lids. Seek medical treatment.

If swallowed

Do not induce vomiting. Rinse your mouth with water, drink a glass of water. Seek medical treatment and present this safety data sheet.

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

If inhaled

In asthmatics and people with breathing problems, it can irritate the respiratory system when inhaled.

If on skin

In sensitive people, local drying of the skin may occur.

If in eyes

In contact with the eyes, it may have weak irritating effects.

If swallowed

May cause nausea if swallowed.

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

In the normal use of the mixture, medical assistance is not required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The mixture is not flammable, match the extinguishing agents to the surrounding fire (foam, water fog powder, CO₂).

Unsuitable extinguishing media

Full stream of water.

5.2. Special hazards arising from the substance or mixture

The mixture is not dangerous when burned. They can be released by thermal decomposition at high temperatures carbon and sulfur oxides. Do not inhale thermal decomposition products.

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5.3. Advice for firefighters

Adapt the protective equipment to the nature of the fire (if necessary in unventilated areas use self-contained breathing apparatus, emergency suit).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent the entry of unauthorized persons, close and isolate the escape area. Ensure adequate ventilation, do not inhale spray or vapors. Avoid contact with skin and eyes - use personal protective equipment. Danger of slipping on spilled mixtures.

6.2. Environmental precautions

Observe the usual environmental protection measures. Prevent leakage to soil, surface and groundwater. In the event of a large leak, notify the relevant state authorities and the stream manager or sewage.

6.3. Methods and material for containment and cleaning up

Prevent liquid leakage, cover with sorbent (sawdust, sand, diatomaceous earth, soil, etc.), used sorbent store in a closable waste container and dispose of according to sec. 13. In case of extensive leakage, mix pump out. Wash the contaminated area with 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

Follow the recommendations given in the instructions for use. Ensure sufficient ventilation of the work area. Protect eyes and skin, do not inhale the sprayed mixture, use personal protective equipment according to dept. 8. Protect from elevated temperatures and open flames. Ensure against confusion with drinks, prevent ingestion.

Pay attention to the applicable safety and health regulations. Observe the principles of work hygiene with chemicals, do not eat, drink or smoke while working. Wash your hands before breaks, meals and after work with warm water with soap.

7.2. Conditions for safe storage, including any incompatibilities

Store in original packaging in cool, dry and well-ventilated places.

Store away from acids and oxidizing agents. Store away from food, drink and feed. The mixture is hygroscopic - avoid contact with moisture. Store out of reach of children.

Follow the directions on the label.

Content	Packaging type	Material of package
10 l	jerry can	PE
25 l	jerry can	PE
40 l	jerry can	PE

7.3. Specific end use(s)

It is not.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture does not contain components with established national exposure limits according to Annex 2, government regulation

361/2007 Coll., as amended or according to the Union for the working environment.

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8.2. Exposure controls

Ensure sufficient ventilation, or extraction of the working space. In case of exceeding NPK-P, use appropriate respiratory protection. Avoid contact with eyes, do not inhale vapors or sprayed mixture. Observe hygienic measures for working with chemicals. Do not eat or drink while working and don't smoke. Wash your hands with lukewarm water and soap before breaks, meals and after work. Personal protective equipment adapt the tools to the nature of the work.

Eye/face protection

Safety glasses if there is a risk of eye contact

Skin protection

Work clothes made of natural fibers. Remove contaminated clothing and wash before re-use. Protective gloves (material, e.g. nitrile rubber, latex, etc.) - follow the recommendations when choosing manufacturer, the material must be impermeable and resistant to the components of the mixture. Before first use test at a specific workplace. Replace damaged gloves.

Respiratory protection

It is not necessary if the recommended method of use and sufficient ventilation is followed.

Thermal hazard

Not available.

Environmental exposure controls

Observe the usual environmental precautions. Avoid leakage into sewers, underground and surface water and soil.

More information

Ensure compliance with governmental regulation 361/2007 Coll., Laying down the conditions for the protection of health at work, as amended, and to fulfill the obligations contained therein.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	Amber
Odour	characteristic
Melting point/freezing point	1 °C
Boiling point or initial boiling point and boiling range	245 °C
Flammability	Flammable III. hazard class
Lower and upper explosion limit	data not available
Flash point	>160 °C
Auto-ignition temperature	>300 °C
Decomposition temperature	>150 °C
pH	data not available
Kinematic viscosity	5 mm ² /s at 40 °C
Solubility in water	Emulsion
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	<0,01 kPa at 20 °C
Density and/or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Density at 890 kg/m³ at 20 °C.
There is no risk of explosion with the product.

SECTION 10: Stability and reactivity

10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

10.2. Chemical stability

The mixture is stable under normal environmental conditions, storage and handling.

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10.3. Possibility of hazardous reactions

The mixture does not show dangerous reactions if the instructions for use are followed. It can occur when heated above 150 °C to decay. May react with strong acids and oxidizing agents to form an exothermic reaction.

10.4. Conditions to avoid

High temperatures, prolonged exposure to sunlight, open flames, sparks.

10.5. Incompatible materials

Reactive oxidants, strong acids and bases.

10.6. Hazardous decomposition products

The mixture does not decompose under normal conditions. They can be formed by thermal decomposition at higher temperatures carbon and sulfur oxides.

SECTION 11: Toxicological information

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

The mixture is not classified as hazardous within the meaning of EC Regulation No. 1272/2008, as amended regulations.

Acute toxicity

The mixture is not classified as acutely toxic by any way of exposure.

Skin corrosion/irritation

Based on the available data, the classification criteria are not met. Long-term or repeated skin contact may cause skin dryness in sensitive individuals.

Serious eye damage/irritation

Based on the available data, the classification criteria are not met. A direct hit to the eye can cause mild irritation.

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.

11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system.

Adverse health effects are not expected. In asthmatics and people with breathing problems, inhalation may irritate the respiratory system, local drying of the skin may occur in sensitive persons, contact with the eyes may have weak irritating effects, if swallowed it may cause nausea.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

The mixture does not contain ingredients classified as dangerous for the environment.

More information

The ecotoxic effects of the mixture itself were not assessed. The mixture is not classified as dangerous for aquatic organisms.

12.2. Persistence and degradability

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The mixture is biodegradable (OECD 301B).

12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

12.4. Mobility in soil

Unspecified.

12.5. Results of PBT and vPvB assessment

The mixture does not contain substances from the PBT and vPvB categories.

12.6. Endocrine disrupting properties

These substances are not included.

12.7. Other adverse effects

Avoid leakage of concentrated mixture into drains, soil and groundwater or surface water. Take the usual precautions on environmental protection.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

A smaller amount of the mixture can be flushed down the drain with a large amount of water. At liquidation mixture and packaging residues must be disposed of in accordance with local waste regulations. Pass the authorized person for disposal, e.g. in a hazardous waste incinerator.

Waste management legislation

Waste Act No. 541/2020 Coll. as amended.

Act No. 477/2001 Coll., on packaging, as amended.

Waste type code

08 01 18 wastes from paint or varnish removal other than those mentioned in 08 01 17

20 01 30 detergents other than those mentioned in 20 01 29

Packaging waste type code

15 01 02 plastic packaging

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 determined.

14.6. Special precautions for user

Not determined.

14.7. Maritime transport in bulk according to IMO instruments

Not determined.

Additional information

Always carry closed containers in upright position. Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. 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. Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended (the Chemical Act). Labor Code No. 262/2006, as amended. The Act No. 258/2000 Coll., on Protection of Public Health as amended. Decree laying down the hygienic limits of chemical, physical and biological indicators for indoor living rooms of some buildings No. 6/2003 Coll. Government Regulation laying down the conditions for the protection of health at work No. 9/2013 Coll. as amended. The Act No. 201/2012 Coll., on the Protection of Atmosphere – Clean Air Act as amended. Decree No. 415/2012 Coll., On the permissible level of pollution and its detection and on the implementation of certain other provisions of the Air Protection Act. The Act No. 185/2001 Coll., on Waste and the Amendment of Some Other Acts as amended. Act No. 477/2001 Coll., On Packaging, as amended. Water Act No. 150/2010 Coll., Amending Act No. 254/2001 Coll., On Water and on Amendments to Certain Acts (Water Act), as amended, and Act No. 200/1990 Coll., On offenses, as amended. Act No. 133/1985 Coll., As amended. Decree on fire prevention No. 221/2014 Coll., As amended.

15.2. Chemical safety assessment

No chemical hazard assessment was performed for this mixture.

More information

This information only indicates the basic regulations listed in this Safety Data Sheet. Please note the possible existence of additional regulations supplementing these Regulations. We refer to all applicable national, international and local regulations and regulations.

SECTION 16: Other information**Other important information about human health protection**

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

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
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
log Kow	Octanol-water partition coefficient
OEL	Occupational Exposure Limits



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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

Training guidelines

According to § 103 and § 104 of Act No. 262/2006 Coll., The Labor Code, as amended.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

Manufacturer data and toxicological databases.

The changes (which information has been added, deleted or modified)

Modification of the BL format according to the updated Annex of the REACH Regulation.

Statement

The safety data sheet contains the data needed to ensure safety and health at work and environmental protection. These data correspond to the current state of knowledge and experience and are in accordance with applicable legal regulations. They can not be considered as a guarantee of the suitability and usability of the product for a specific application. The user is responsible for the treatment under existing laws and regulations.