

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) .

NOVALON 3000

Creation date	22nd October 2003	Version	16
Revision date	23rd December 2022		

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

1.1. Product identifier NOVALON 3000
Substance / mixture mixture

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

Cleaning and degreasing agent

The use descriptors

IS Use at industrial sites

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

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 classified as dangerous.

Skin Irrit. 2, H315

Eye Dam. 1, H318

STOT SE 3, H335

Aquatic Chronic 3, H412

Most serious adverse physico-chemical effects

Thermal decomposition at high temperatures may release dangerous decomposition products. Avoid inhalation of decomposition products.

Most serious adverse effects on human health and the environment

The mixture is basic. It has strong irritating effects on the eyes (burning, itching, conjunctivitis up to corneal damage, exceptionally vision damage). It irritates the skin (redness, burning, itching). Inhalation of vapors or sprayed mixture can cause irritation of the mucous membranes and respiratory tract with coughing, shortness of breath. Do not inhale spray or vapors. The mixture contains a reproductively toxic component in an amount below the specified limit, pregnant women should avoid contact with the mixture. Avoid repeated or prolonged exposure. Ingestion of the liquid may cause digestive problems, nausea, and abdominal pain. Ensure against confusion with drinks. The mixture is classified as harmful to the environment. Follow the instructions for use to avoid risks to people and the environment. The full wording of the classification and H phrases is given in Sect. 16 of this safety data sheet.

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2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazard statements

H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

Neither the mixture nor its components meet the criteria for persistent, bioaccumulative and toxic or highly persistent and highly bioaccumulative substances in accordance with Annex XIII, nor have they been included in the list drawn up in accordance with Article 59, paragraph 1, due to the content of endocrine disruptors, nor has it been determined as a substance 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 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture.

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
Index: 603-030-00-8 CAS: 141-43-5 EC: 205-483-3 Registration number: 01-2119486455-28	2-aminoethanol	5-10	Acute Tox. 4, H302, H312, H332 Skin Corr. 1B, H314 Specific concentration limit: STOT SE 3, H335: C ≥ 5 %	2
CAS: 61791-14-8 EC: 500-152-2	Ethoxylated coconut amine	5-10	Acute Tox. 4, H302 Eye Irrit. 2, H319 Aquatic Chronic 2, H411 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 10 %	
Index: 005-007-00-2 CAS: 10043-35-3 EC: 233-139-2	boric acid	3-5	Repr. 1B, H360FD Specific concentration limit: Repr. 1B, H360FD: C ≥ 5.5 %	1, 3, 4

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 61791-26-2 EC: 500-153-8	Amines, tallow alkyl, ethoxylated	1-2	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 1, H410 (M=1) Specific concentration limit: Eye Dam. 1, H318: C ≥ 3 % Eye Irrit. 2, H319: 1 % ≤ C < 3 % Skin Irrit. 2, H315: C ≥ 10 % Aquatic Chronic 1, H410: C ≥ 25 %	
Index: 603-071-00-1 CAS: 111-42-2 EC: 203-868-0	2,2'-iminodiethanol	<1	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2 (**), H373 Specific concentration limit: STOT RE 2, H373: C ≥ 10 % Skin Irrit. 2, H315: C ≥ 10 %	2

Notes

** another exposure route cannot be ruled out

- 1 Note 11: The classification of mixtures as reproductive toxicant is necessary if the sum of the concentrations of individual boron compounds that are classified as reproductive toxicant in the mixture as placed on the market is ≥ 0,3 %.
- 2 A substance for which exposure limits are set.
- 3 Substance of very high concern - SVHC.
- 4 The use of the substance is restricted by Annex XVII of REACH Regulation

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

In case of exposure, in case of suspected exposure or in case of symptoms of health problems, seek medical attention and provide him with the information from this safety data sheet. When providing first aid, ensure the safety of the rescuer and the rescued. In case of skin burns, rinse with water and cover with a sterile bandage. In case of life-threatening conditions, perform resuscitation. Place the unconscious person in a stable position and do not give anything by mouth. If necessary (respiratory arrest or irregular breathing), perform artificial respiration. Avoid catching cold. Do not induce vomiting. In case of spontaneous vomiting, prevent inhalation of vomitus.

If inhaled

Stop exposure immediately, rinse mouth with water, breathe fresh air. If clothing is affected, remove clothing. Keep the victim calm and protect against catching cold. If necessary (respiratory arrest or irregular breathing), perform artificial respiration with a breathing bag, not directly from mouth to mouth. If respiratory tract irritation occurs, seek medical attention.

If on skin

Remove affected clothing. Remove obstacles (rings, bracelets, watches, etc.) at the point of contact with the skin. Wipe off the product, wash thoroughly with water if the skin has not been damaged with soap, and treat with a regenerating cream. If symptoms of irritation occur, seek medical attention.

If in eyes

Rinse the eyes and their surroundings. If the victim wears contact lenses, remove them. With the eyes wide open, rinse from the inner corner of the eye towards the outer with a large amount of clean, lukewarm water, especially the area under the lids. Rinse for at least 15 min., seek medical treatment. Wash the eyes also during transport to the doctor.

If swallowed

Do not induce vomiting. Rinse mouth with water and drink several glasses of water (only if victim is conscious and not in pain). Seek medical attention and present this safety data sheet.

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

If inhaled

Inhalation of vapors or sprayed mixture can cause irritation of the mucous membranes and respiratory tract with coughing, shortness of breath. Do not inhale spray or vapors. The mixture contains a reproductively toxic component in an amount below the specified limit, pregnant women should avoid contact with the mixture. Avoid repeated or prolonged exposure.

If on skin

It irritates the skin (redness, burning, itching).

If in eyes

The mixture shows strong irritating effects on the eyes (burning, itching, inflammation of the conjunctivitis up to corneal damage, rarely vision damage).

If swallowed

Ingestion of the liquid may cause digestive problems, nausea, and abdominal pain.

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

With the usual use of the mixture and compliance with the instructions in the instructions for use, immediate medical help is not necessary. Special treatment is required if the symptoms reach a certain degree, according to the data in paragraphs 4.1 and 4.2; is symptomatic. The mixture contains surfactants - danger of foaming in case of vomiting.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The mixture is not flammable, match the fire extinguishers to the surrounding fire.

Unsuitable extinguishing media

They are not.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition at high temperatures can produce dangerous decomposition products (CO_x, NO_x, organic amines, etc.). Do not inhale decomposition products. Explosive mixtures can form in the mixture with air when exposed to elevated temperatures.

5.3. Advice for firefighters

Adapt the protective equipment to the nature of the fire, due to the properties of the mixture they are not required. Remove packaging from fire if you can do so without risk. Combustion residues and water after intervention should be disposed of as hazardous waste.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent the entry of unauthorized persons, mark, secure and isolate the escape area. Ensure adequate ventilation. Avoid breathing the sprayed mixture and vapors. Avoid contact with skin and eyes - use personal protective equipment. Avoid contact with heat sources.

6.2. Environmental precautions

Secure the area of the leak, catch the leaking mixture. Avoid release to sewers, soil, surface and ground water. In the event of a large liquid leak, monitor the concentrations of NPK or TLV and inform the relevant state authorities and the stream or sewer manager.

6.3. Methods and material for containment and cleaning up

In case of a large leak, stop the leak and drain the mixture. In the event of a small leak, cover with a suitable sorbent (universal sorbent, sand, diatomaceous earth, soil, sawdust, vapex, rags, etc.), store the used sorbent in a closable waste container and dispose of it as hazardous waste. Wash the contaminated area, do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure sufficient ventilation of the work area. Protect the eyes and skin, do not inhale the sprayed mixture or vapors, use personal protective equipment according to sec. 8. The work area should be equipped with a source of drinking water to provide first aid. The container with the mixture must remain closed and secured against overturning. Avoid contact with heat sources.

Observe the applicable health and safety legislation. Observe the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash your hands with warm soapy water before breaks, meals and after work.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed with the cap facing up in the original packaging at a temperature between 5 - 25 °C. Store away from heat sources. Store away from food, drink and feed. Store away from strong acids and oxidizing agents. Follow the directions on the label.

Content	Packaging type	Material of package
1 l	bottle	HDPE
5 l	jerry can	HDPE
10 l	jerry can	HDPE
25 l	jerry can	HDPE
40 l	jerry can	HDPE
200 l	barrel / drum	HDPE

Storage temperature max. 25 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Czech Republic

Government Regulation 330/2023 Coll.

Substance name (component)	Type	Value	Conversion for ppm	Note
2-aminoethanol (CAS: 141-43-5)	PEL	2,5 mg/m ³	0,394	irritating to mucous membranes (eyes, respiratory system) and skin
	PEL	1 ppm	0,394	
	NPK-P	7,6 mg/m ³	0,394	
	NPK-P	3 ppm	0,394	
2,2'-iminodiethanol (CAS: 111-42-2)	PEL	5 mg/m ³		irritating to mucous membranes (eyes, respiratory system) and skin
	NPK-P	10 mg/m ³		

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Czech Republic

Government Regulation 41/2020 Coll.

Substance name (component)	Type	Value	Conversion for ppm	Note
2-aminoethanol (CAS: 141-43-5)	PEL	2,5 mg/m ³	0,394	irritating to mucous membranes (eyes, respiratory system) and skin
	NPK-P	7,5 mg/m ³	0,394	

European Union

Commission Directive 2006/15/EC

Substance name (component)	Type	Value	Note
2-aminoethanol (CAS: 141-43-5)	OEL 8 hours	2,5 mg/m ³	Skin
	OEL 8 hours	1 ppm	
	OEL 15 minutes	7,6 mg/m ³	
	OEL 15 minutes	3 ppm	

8.2. Exposure controls

Ensure sufficient ventilation, or extraction of the working space. Avoid contact with skin and eyes, do not inhale vapors or sprayed mixture. Observe hygienic measures for working with chemicals. The work area should be equipped with sources of drinking water. Do not eat, drink or smoke while working. Wash your hands and face with lukewarm water and soap before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

Eye/face protection

Closed safety glasses or, depending on the nature of the work performed, a face shield.

Skin protection

Protective work clothing. Wash affected skin, remove contaminated clothing, wash before further use. Protective gloves (eg: nitrile rubber 0.35 mm, butyl rubber, etc.) - when choosing, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Test at a specific workplace before first use. Replace damaged gloves.

Respiratory protection

Not necessary. In case of intensive or long-term exposure and insufficient ventilation, use a mask with a filter against organic vapors and aerosols, type A.

Thermal hazard

Undetermined. Avoid heating the mixture and exposure to elevated temperatures.

Environmental exposure controls

Avoid release to sewers, ground and surface water and soil. Observe the usual environmental protection measures.

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	yellow
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	>100 °C

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Flammability	The product is non-flammable.
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	11 (undiluted)
Kinematic viscosity	data not available
Solubility in water	miscible
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Density: 1.050 – 1.100 kg/m³

SECTION 10: Stability and reactivity

10.1. Reactivity

There is no danger of reaction if the recommended use is adhered to.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

If the recommended method of use is followed, they are not. In contact with strong acids or oxidizing agents, an exothermic reaction may occur. Explosive mixtures can form in the mixture with air when exposed to elevated temperatures.

10.4. Conditions to avoid

Frost, temperatures outside the range of 5 °C - 25 °C.

10.5. Incompatible materials

Data not available.

10.6. Hazardous decomposition products

Under normal conditions, the mixture does not decompose. Thermal decomposition at high temperatures produces dangerous combustion products: CO_x, NO_x, organic amines, etc.

SECTION 11: Toxicological information

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

The mixture meets the criteria for classification according to EC Regulation No. 1272/2008. The mixture is classified as dangerous in the sense of EC Regulation No. 1272/2008, as amended.

Acute toxicity

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

2,2'-iminodiethanol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	1100 mg/kg		Rat (Rattus norvegicus)	

2-aminoethanol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	1515 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD ₅₀	1840-3451 mg/kg		Rabbit	

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2-aminoethanol

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation	LD ₅₀	1.3 mg/l	6 hours	Rat (Rattus norvegicus)	

Amines, tallow alkyl, ethoxylated

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	500-2000 mg/kg		Rat (Rattus norvegicus)	

boric acid

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	2660 mg/kg		Rat (Rattus norvegicus)	
Inhalation	LD ₅₀	>2.03 mg/l	5 hours	Rat (Rattus norvegicus)	
Dermal	LD ₅₀	>2000 mg/kg		Rabbit	

Ethoxylated coconut amine

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	500-2000 mg/kg		Rat (Rattus norvegicus)	

Skin corrosion/irritation

The mixture is classified as skin irritant, category 2.

Serious eye damage/irritation

The mixture is classified as harmful to the eyes, category 1.

Respiratory or skin sensitisation

Based on the available data, the classification criteria are not met.

Germ cell mutagenicity

Based on the available data, the classification criteria are not met.

Carcinogenicity

Based on the available data, the classification criteria are not met.

Reproductive toxicity

The mixture contains a reproductively toxic component in an amount below the specified specific concentration limit.

Toxicity for specific target organ - single exposure

The mixture is classified as toxic to specific target organs after single exposure, category 3. The mixture can cause respiratory tract irritation.

Toxicity for specific target organ - repeated exposure

The mixture is not classified as toxic on repeated exposure.

Aspiration hazard

Based on the available data, the classification criteria are not met.

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11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system. The mixture shows strong irritating effects on the eyes (burning, itching, inflammation of the conjunctivitis up to corneal damage, rarely vision damage). It irritates the skin (redness, burning, even skin irritation). Inhalation of vapors or sprayed mixture can cause irritation of the mucous membranes and respiratory tract with coughing, shortness of breath. Do not inhale spray or vapors. The mixture contains a reproductively toxic component in an amount below the specified limit, pregnant women should avoid contact with the mixture. Avoid repeated or prolonged exposure. Ingestion of the liquid may cause digestive problems, nausea, and abdominal pain.

SECTION 12: Ecological information

12.1. Toxicity

The ecotoxic effects of the mixture were not assessed. Observe the usual environmental precautions.

Acute toxicity

2,2'-iminodiethanol				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	1460 mg/l	96 hours	Fish (Pimephales promelas)	
EC ₅₀	30.1 mg/l	48 hours	Invertebrates (Daphnia magna)	

2-aminoethanol				
Parameter	Value	Exposure time	Species	Environment
EC ₅₀	65 mg/l	24 hours	Invertebrates (Daphnia magna)	
NI ₅₀	165 mg/l	24 hours	Fish	

Amines, tallow alkyl, ethoxylated				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	0.1-1 mg/kg	96 hours	Fish (Pimephales promelas)	

boric acid				
Parameter	Value	Exposure time	Species	Environment
EC ₅₀	658-875 mg/l	48 hours	Invertebrates (Daphnia magna)	

Ethoxylated coconut amine				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	0.1-1 mg/l	96 hours	Fish	

12.2. Persistence and degradability

The mixture is biodegradable (fatty amine ethoxylate - degree of elimination approx. 35% (OECD 302 B). Other components - degradability > 70%.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is not likely.

12.4. Mobility in soil

The mixture is miscible with water, contains surfactants.

12.5. Results of PBT and vPvB assessment

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The mixture does not contain substances from the PBT and vPvB groups according to Annex XIII of the REACH Regulation, as amended.

12.6. Endocrine disrupting properties

Substances with these properties in accordance with the criteria set out in Commission Regulation (EU) 2017/2100 or (EU) 2018/605 are not included.

12.7. Other adverse effects

The mixture is harmful to the environment. It must not get into the soil, underground or surface water or sewage system. Observe the usual environmental protection measures.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of unused mixture residues as hazardous waste, hand them over to an authorized person for disposal. A smaller amount of the used diluted solution can be processed at the WWTP together with water from surface treatments. When disposing of the working bath, proceed according to the application instructions for the mentioned product, taking into account the specific method of application and technological conditions; dispose of degraded packaging at a hazardous waste landfill or by burning in an incinerator. Dispose of mixture and packaging residues in accordance with local waste disposal regulations.

Waste management legislation

Act No. 477/2001 Coll., On Packaging, as amended. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.

Waste type code

20 01 29* detergents containing hazardous substances

Packaging waste type code

15 01 10* packaging containing residues of or contaminated by hazardous substances

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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

Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

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SECTION 15: Regulatory information

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

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) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Commission Delegated Regulation (EU) 2021/849 of 11 March 2021 amending, for the purposes of adapting to technical and scientific progress, Part 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as ammended. 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.

Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

boric acid

Restriction	Conditions of restriction
30	<p>Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:</p> <ol style="list-style-type: none"> 1. Shall not be placed on the market, or used, <ul style="list-style-type: none"> – as substances, – as constituents of other substances, or, – in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: <ul style="list-style-type: none"> – either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, – the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008. <p>Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p>“Restricted to professional users”.</p> <ol style="list-style-type: none"> 2. By way of derogation, paragraph 1 shall not apply to: <ol style="list-style-type: none"> (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/EEC; (c) the following fuels and oil products: <ul style="list-style-type: none"> – motor fuels which are covered by Directive 98/70/EC, – mineral oil products intended for use as fuel in mobile or fixed combustion plants, – fuels sold in closed systems (e.g. liquid gas bottles); (d) artists’ paints covered by Regulation (EC) No 1272/2008; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date. (f) devices covered by Regulation (EU) 2017/745.

Additional information in accordance with Regulation (EC) no. 648/2004 on detergents, as amended

5-<15 % non-ionic surfactants

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

SAFETY DATA SHEET

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) .

NOVALON 3000

Creation date	22nd October 2003	Version	16
Revision date	23rd December 2022		

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

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H360FD	May damage fertility. May damage the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other important information about human health protection

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the supplier can not control the specific conditions of use of the mixture, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

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
EC ₅₀	Concentration of a substance when it is affected 50% of the population
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
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
NPK	Maximum admissible concentration

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OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
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
Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Repr.	Reproductive toxicity
Skin Corr.	Skin corrosion
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

Training guidelines

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

Manufacturer data and toxicological databases.

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

Adaptation of BL updated Annex II of the REACH Regulation as amended by Commission Regulation (EU) 2020/878.

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.