

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 2000 IK

Creation date	24th July 2017	Version	2
Revision date	23rd December 2022		

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

- 1.1. Product identifier**
Substance / mixture
NOVALON 2000 IK
mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Concentrated alkaline cleaner.
The use descriptors
IS Use at industrial sites
PW Widespread use by professional workers
Mixture uses advised against
Not specified. It is recommended to be used only for specified uses. Other uses may expose users to unforeseeable risks.
- 1.3. Details of the supplier of the safety data sheet**
Distributor
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
- 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.

Eye Dam. 1, H318
Aquatic Chronic 3, H412

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Most serious adverse physico-chemical effects

The mixture is strongly basic, it can react violently with acids and oxidizing agents. Avoid contact with open flames and heat sources. Imperfect thermal decomposition at high temperatures can release hazardous gases. Avoid inhalation.

Most serious adverse effects on human health and the environment

Contact with the eyes can cause severe irritation or even damage to the eyes (redness, burning, tearing, conjunctivitis and damage to the cornea). Ingestion of the mixture may cause abdominal pain and cramping nausea due to a decrease in calcium in the blood. Ensure against confusion with drinks and food. The mixture is classified as harmful to aquatic organisms and environmental components. Avoid release to sewers, soil, ground and surface water. 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

Hazard pictogram



Signal word

Danger

Hazard statements

H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P280 Wear protective gloves/protective clothing.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311 Call a POISON CENTER/doctor.
P501 Dispose of contents/container to in accordance with local regulations.

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: 607-428-00-2 CAS: 64-02-8 EC: 200-573-9 Registration number: 01-2119486762-27-0005	TETRASODIUM EDTA	5-8	Acute Tox. 4, H302+H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Specific concentration limit: Eye Dam. 1, H318: C ≥ 3 % Eye Irrit. 2, H319: 1 % ≤ C < 3 % Skin Irrit. 2, H315: C ≥ 10 %	

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 106232-83-1 EC: 500-294-5	Alcohols, C12-15-branched and linear, ethoxylated	1-2	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C ≥ 3 % Eye Irrit. 2, H319: 1 % ≤ C < 3 % Aquatic Chronic 3, H412: C ≥ 25 %	
Index: 605-001-00-5 CAS: 50-00-0 EC: 200-001-8	formaldehyde 30%	<0,1	Acute Tox. 3, H301+H311+H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351 Specific concentration limit: Skin Corr. 1B, H314: C ≥ 25 % Skin Irrit. 2, H315: 5 % ≤ C < 25 % Skin Sens. 1, H317: C ≥ 0.2 % STOT SE 3, H335: C ≥ 5 %	1, 2, 3, 4
	Parfume	<0,1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411 Specific concentration limit: Skin Sens. 1, H317: C ≥ 1 % Aquatic Chronic 2, H411: C ≥ 25 %	

Notes

- 1 Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
- 2 Note D: Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3 of Annex VI to Regulation (EC) No 1272/2008. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier who places such a substance on the market must state on the label the name of the substance followed by the words "non-stabilised".
- 3 A substance for which exposure limits are set.
- 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 all cases of doubt, or when feeling unwell, seek medical advice and show this safety data sheet to the physician. In case of life-threatening conditions, perform resuscitation. Place the unconscious person in a stable position and do not give anything by mouth. Avoid cooling down. Do not induce vomiting. Avoid inhalation of vomit in case of spontaneous vomiting.

If inhaled

Interrupt exposure, breathe fresh air. Seek medical attention if breathing difficulties or respiratory tract irritation occur.

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If on skin

Remove clothing if contaminated clothing. Wash the affected area thoroughly with lukewarm water. Seek medical attention if irritation symptoms occur.

If in eyes

Rinse eyes and surroundings. If the affected person has contact lenses, remove them. Flush eyes wide open from the inner corner of the eye towards the outside with plenty of clean lukewarm water, especially the area under the eyelids. Rinse for at least 15 minutes. Seek medical attention.

If swallowed

Do not induce vomiting. In case of spontaneous vomiting, avoid inhaling vomit. Rinse mouth thoroughly with water, drink a glass of water. Seek medical attention. Submit packaging, label or this safety data sheet. In case of a symptom-free person, contact the Toxicological Information Center to decide on the need for medical treatment, provide information on the substances or composition of the product from the original packaging or from the safety data sheet of the mixture.

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

If inhaled

Inhalation of splashes or mists may cause severe respiratory irritation, cough, burning of the respiratory system.

If on skin

The mixture is strongly alkaline, skin contact may cause skin irritation or degreasing.

If in eyes

May cause severe irritation to eye damage (redness, burning in the eyes, tearing, inflammation, corneal damage).

If swallowed

Ingestion may cause abdominal pain and nausea, irritation, or damage to the digestive tract.

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

Immediate medical attention is not required during normal use of the mixture and adherence to the instructions for use. Immediate medical attention is required in case of ingestion and in case of eye contact. Seek medical attention if symptoms persist or if respiratory or skin irritation occurs.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The mixture is not flammable, match the extinguishing agents to the surrounding fire (multi-purpose powders, CO₂, foam, water mist or sprayed water jet).

Unsuitable extinguishing media

Not defined.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition at high temperatures or fire may produce hazardous decomposition products. Do not inhale thermal decomposition products.

5.3. Advice for firefighters

Protective equipment adapt the nature of the fire. Cover the product near the fire with spray water or cover with foam. Fire residues and water after treatment should be disposed of as hazardous waste.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent unauthorized entry, secure and insulate spill area. Avoid contact with skin and eyes - use personal protective equipment. Do not inhale the spray mixture. Secure against confusion with beverages and food. Avoid contact with heat sources and open flames.

6.2. Environmental precautions

Provide space for leakage, collect escaping mixture. Do not allow to enter drains, soil, surface water or groundwater by creating catchment lagoons. In case of a large liquid leak, monitor the concentrations of NPK resp. TLV and inform the relevant authorities and administrators of the flow or sewer.

6.3. Methods and material for containment and cleaning up

Stop leak. In case of a large liquid leak, drain the mixture. Aerosol evaporates, ensure adequate ventilation. In case of minor leakage of liquid fraction, cover with non-flammable sorbent (sand, diatomaceous earth, earth, universal sorbent, etc.), place used sorbent in a closable waste container, label and dispose of as hazardous waste. Wash contaminated area with water.

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6.4. Reference to other sections
See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Always read the operating instructions in detail before using. Protect eyes and skin, do not inhale spray mixture, use personal protective equipment according to sec. 8. Secure against confusion with beverages. Avoid contact with open flames and heat sources. The work area should be equipped with a source of drinking water to provide first aid. Observe the applicable health and safety legislation. Follow the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash hands with warm soap and water before breaks, meals and after work. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed with the lid facing up in the original packaging. Store away from food, drink and animal feeding stuffs. Store away from strong acids and oxidizing agents. The warehouse should be equipped with a source of drinking water to provide first aid. Observe regulations for storage of water endangering substances.

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

Storage class 12 - Other non-combustible liquids
Storage temperature min 5 °C, max 30 °C

7.3. Specific end use(s)
It is not.

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
formaldehyde 30% (CAS: 50-00-0)	PEL	0,37 mg/m ³	0,801	irritating to mucous membranes (eyes, respiratory system) and skin, the substance has a sensitizing effect
	PEL	0,3 ppm	0,801	
	NPK-P	0,74 mg/m ³	0,801	
	NPK-P	0,6 ppm	0,801	

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Czech Republic

Government Regulation 41/2020 Coll.

Substance name (component)	Type	Value	Conversion for ppm	Note
formaldehyde 30% (CAS: 50-00-0)	PEL	0,5 mg/m ³	0,801	substance is significantly absorbed through the skin during the exposure, the substance has a sensitizing effect
	NPK-P	1 mg/m ³	0,801	

DNEL

formaldehyde 30%					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	0.5 mg/m ³	Chronic effects systemic		
Workers	Dermal	240 mg/kg/24h	Chronic effects systemic		
Consumers	Inhalation	1 mg/m ³	Chronic effects systemic		
Consumers	Dermal	102 mg/kg/24h	Chronic effects systemic		
Consumers	Oral	4.1 mg/kg/24h	Chronic effects systemic		
Workers	Inhalation	1 mg/m ³	Chronic effects local		

TETRASODIUM EDTA					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	2.5 mg/m ³	Chronic effects systemic		
Consumers	Inhalation	1.5 mg/m ³	Chronic effects systemic		
Consumers	Oral	25 mg/kg/24h	Chronic effects systemic		

PNEC

formaldehyde 30%			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	0.19 mg/l		
Water (regular leak)	0.47 mg/l		
Marine water	0.47 mg/l		
Soil (agricultural)	0.21 mg/kg		
Freshwater sediment	2.44 mg/kg		

TETRASODIUM EDTA			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	43 mg/l		

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TETRASODIUM EDTA			
Route of exposure	Value	Value determination	Source
Freshwater environment	2.2 mg/l		
Marine water	0.22 mg/l		

8.2. Exposure controls

Ensure adequate ventilation or exhaustion of the work area. In case of exceeding the WEL, use suitable respiratory protection. Avoid contact with skin and eyes, do not breathe fumes. Follow hygienic precautions for handling chemicals. Do not eat, drink or smoke while working. Wash your hands with lukewarm water and soap before taking a break, eating and after work. Personal protective equipment should be adapted to the type of work.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Protective work clothing. Wash the affected skin, rub off clothing, wash before using again. Protective gloves (material e.g.: nitrile rubber > 0.11 mm, permeability > 480 min., butyl rubber > 0.7 mm, permeability > 480 min.). 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

Use a mask with filter when the exposition limits of the substances are exceeded or at the place with insufficient ventilation.

Thermal hazard

Not Specified. Avoid heating the mixture and exposure to elevated temperatures.

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	yellowish
Odour	characteristic
Melting point/freezing point	0 °C
Boiling point or initial boiling point and boiling range	100 °C
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	11-12 (5% solution at 20 °C)
Kinematic viscosity	data not available
Solubility in water	infinitely miscible
Solubility in fats	not determined
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	data not available
Relative density	1.05 - 1.1 g / cm ³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

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Appearance liquid
 Explosive properties The product does not have explosive properties.
 The mixture is not self-igniting.
 The mixture is not classified as oxidizing.
 VOC content: <0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is strongly alkaline. The mixture does not show any dangerous reactions when the instructions for use are followed.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Contact with acids or oxidizing agents may cause an exothermic reaction.

10.4. Conditions to avoid

Temperatures below 5 ° C and above 30 ° C, contact with heat sources, sun, sparks and open flame. Frost.

10.5. Incompatible materials

Strong oxidizing agents, acids.

10.6. Hazardous decomposition products

Under normal conditions, the mixture is not decomposed. Incomplete combustion or thermal decomposition produces toxic products of combustion (COx, NOx, hydrocarbons, 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.

Alcohols, C12-15-branched and linear, ethoxylated					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	300-2000 mg/kg		Rat	
Dermal	LD ₅₀	>2000 mg/kg		Rabbit	
Inhalation	LC ₅₀	>1.6 mg/l	6 hours	Rat	

formaldehyde 30%					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>200 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD ₅₀	220 mg/kg		Rabbit	
Inhalation	LC ₅₀	590 mg/m ³	4 hours	Rat (Rattus norvegicus)	

TETRASODIUM EDTA					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	1780-2000 mg/kg		Rat (Rattus norvegicus)	
Intraperitoneally	LD ₅₀	330 mg/kg		Rabbit	
Inhalation	LC ₅₀	30 mg/l	4 hours	Rat	

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Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Mixture is classified as damaging eyes, category 1. Contact with concentrated mixture may cause eye damage.

Respiratory or skin sensitisation

The mixture contains a component classified as skin sensitizing in an amount below the specified concentration limit. May cause an allergic reaction.

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

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

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

Acute toxicity

Alcohols, C12-15-branched and linear, ethoxylated				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	1-10 mg/l	96 hours	Fish (Cyprinus carpio)	
EC ₅₀	1-10 mg/l	48 hours	Invertebrates (Daphnia magna)	
EC ₅₀	1-100 mg/l	72 hours	Algae (Desmodesmus subspicatus)	

formaldehyde 30%				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	>100 mg/l	96 hours	Fish (Cyprinus carpio)	
EC ₅₀	2 mg/l	48 hours	Invertebrates (Daphnia magna)	
EC ₅₀	0.3-0.5 mg/l	72 hours	Algae (Scenedesmus subspicatus)	

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TETRASODIUM EDTA				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	>100 mg/l	96 hours	Fish (Lepomis macrochirus)	
EC ₅₀	>100 mg/l	48 hours	Invertebrates (Daphnia magna)	
EC ₅₀	≥100 mg/l	72 hours	Algae (Selenastrum capricornutum)	

12.2. Persistence and degradability

The surfactants contained show biodegradability in accordance with the requirements laid down in Regulation (EC) No 648/2004 on detergents, as amended.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

12.4. Mobility in soil

Not determined, the mixture is miscible with water.

12.5. Results of PBT and vPvB assessment

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

Avoid leakage into the soil, underground or surface water or sewers. Leakage of large quantities can change the pH of the aquatic environment.

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.

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

15 01 02 plastic packaging

(*) - 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

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14.4. Packing group

not relevant

14.5. Environmental hazards

Not determined.

14.6. Special precautions for user

Not determined. Transport in packages corresponding to the properties of the mixture. Observe the prescribed load markings. The mixture is not subject to transport regulation according to ADR, RID, ICAI / IATA, IMDG.

14.7. Maritime transport in bulk according to IMO instruments

Not determined.

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

formaldehyde 30%

Restriction	Conditions of restriction
28	<p>Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:</p> <p>1. Shall not be placed on the market, or used,</p> <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> <p>2. By way of derogation, paragraph 1 shall not apply to:</p> <ul 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.

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formaldehyde 30%

Restriction	Conditions of restriction
72	<p>1. Shall not be placed on the market after 1 November 2020 in any of the following:</p> <ul style="list-style-type: none"> (a) clothing or related accessories; (b) textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing; (c) footwear; <p>if the clothing, related accessory, textile other than clothing or footwear is for use by consumers and the substance is present in a concentration, measured in homogeneous material, equal to or greater than that specified for that substance in Appendix 12.</p> <p>2. By way of derogation, in relation to the placing on the market of formaldehyde [CAS No 50-00-0] in jackets, coats or upholstery, the relevant concentration for the purposes of paragraph 1 shall be 300 mg/kg during the period between 1 November 2020 and 1 November 2023. The concentration specified in Appendix 12 shall apply thereafter.</p> <p>3. Paragraph 1 shall not apply to:</p> <ul style="list-style-type: none"> (a) clothing, related accessories or footwear, or parts of clothing, related accessories or footwear, made exclusively of natural leather, fur or hide; (b) non-textile fasteners and non-textile decorative attachments; (c) second-hand clothing, related accessories, textiles other than clothing or footwear (d) wall-to-wall carpets and textile floor coverings for indoor use, rugs and runners. <p>4. Paragraph 1 shall not apply to clothing, related accessories, textiles other than clothing, or footwear within the scope of Regulation (EU) 2016/425 of the European Parliament and of the Council (*) or Regulation (EU) 2017/745 of the European Parliament and of the Council (**).</p> <p>5. Paragraph 1(b) shall not apply to disposable textiles. 'Disposable textiles' means textiles that are designed to be used only once or for a limited time and are not intended for subsequent use for the same or a similar purpose.</p> <p>6. Paragraphs 1 and 2 shall apply without prejudice to the application of any stricter restrictions set out in this Annex or in other applicable Union legislation.</p> <p>7. The Commission shall review the exemption in paragraph 3(d) and, if appropriate, modify that point accordingly.</p> <p>(*) Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (OJ L 81, 31.3.2016, p. 51).</p> <p>(**) Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC (OJ L 117, 5.5.2017, p. 1).</p>

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formaldehyde 30%

Restriction	Conditions of restriction
77	<p>1. Shall not be placed on the market in articles, after 6 August 2026, if, under the test conditions specified in Appendix 14, the concentration of formaldehyde released from those articles exceeds:</p> <p>(a) 0,062 mg/m³ for furniture and wood-based articles;</p> <p>(b) 0,080 mg/m³ for articles other than furniture and wood-based articles.</p> <p>The first subparagraph shall not apply to:</p> <p>(a) articles in which formaldehyde or formaldehyde releasing substances are exclusively naturally present in the materials from which the articles are produced;</p> <p>(b) articles that are exclusively for outdoor use under foreseeable conditions;</p> <p>(c) articles in constructions, that are exclusively used outside the building shell and vapour barrier and that do not emit formaldehyde into indoor air;</p> <p>(d) articles exclusively for industrial or professional use unless formaldehyde released from them leads to exposure of the general public under foreseeable conditions of use;</p> <p>(e) articles for which the restriction laid down in entry 72 applies;</p> <p>(f) articles that are biocidal products within the scope of Regulation (EU) No 528/2012 of the European Parliament and of the Council;</p> <p>(g) devices within the scope of Regulation (EU) 2017/745;</p> <p>(h) personal protective equipment within the scope of Regulation (EU) 2016/425;</p> <p>(i) articles intended to come into contact directly or indirectly with food within the scope of Regulation (EC) No 1935/2004;</p> <p>(j) second-hand articles.</p> <p>2. Shall not be placed on the market in road vehicles after 6 August 2027 if, under the test conditions specified in Appendix 14, the concentration of formaldehyde in the interior of those vehicles exceeds 0,062 mg/m³.</p> <p>The first subparagraph shall not apply to:</p> <p>(a) road vehicles exclusively for industrial or professional use unless the concentration of formaldehyde in the interior of those vehicles leads to exposure of the general public under foreseeable conditions of use;</p> <p>(b) second-hand vehicles.</p>

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

5-<15 % EDTA and salts thereof, <5 % anionic 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

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled.

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H302+H332	Harmful if swallowed or if inhaled.
Guidelines for safe handling used in the safety data sheet	
P280	Wear protective gloves/protective clothing.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311	Call a POISON CENTER/doctor.
P501	Dispose of contents/container to in accordance with local regulations.

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 K _{ow}	Octanol-water partition coefficient
NPK	Maximum admissible concentration
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



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Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Carc.	Carcinogenicity
Eye Dam.	Serious eye damage
Muta.	Germ cell mutagenicity
Skin Corr.	Skin corrosion
Skin Sens.	Skin sensitization
STOT SE	Specific target organ toxicity - single exposure

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

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the specific conditions of use of the substance are beyond the control of the supplier, 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.

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.

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. Modification of the composition of the mixture by the supplier, adaptation of the SDS format to the updated Annex II 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.