

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).

EXTRALON

Creation date 22nd October 2003 Revision date 22nd December 2022

22nd December 2022 Version

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

1.1. Product identifier EXTRALON
Substance / mixture mixture

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

Mixture's intended use Concentrated cleaner

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

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Identification number (CRN)62910370VAT Reg NoCZ62910370Phone+420 233 339 688E-mailpetr.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 not classified as dangerous according to Regulation (EC) No 1272/2008.

Most serious adverse physico-chemical effects

Imperfect thermal decomposition at high temperatures may release dangerous gases. Avoid inhalation of decomposition products.

Most serious adverse effects on human health and the environment

Direct exposure to the concentrated mixture may cause mild eye irritation (redness, burning, tearing). Long-term or repeated contact with the skin may cause degreasing of the skin. Ingestion may experience abdominal pain and nausea. Ensure against confusion with drinks and food. The mixture is not classified as dangerous for aquatic organisms and components of the environment. Prevent leakage into sewers, soil, underground and surface water. Follow the instructions for use to they avoided risks to people and the environment.

The full wording of the H sentences is given in sec. 16 of this safety data sheet.

2.2. Label elements

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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

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

Supplemental information



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)

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<5 % non-ionic surfactants, <5 % NTA (nitrilotriacetic acid) and salts thereof

2.3.

The mixture and its components do not meet the criteria for persistent, bioaccumulative and toxic or highly persistent and highly bioaccumulative substances in accordance with Annex XIII, nor were they included in the list compiled in accordance with Article 59, paragraph 1, due to the content of substances causing disruption of activity of the endocrine system, nor has it been 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.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

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: 607-620-00-6 CAS: 5064-31-3 EC: 225-768-6	trisodium nitrilotriacetate	<5	Acute Tox. 4, H302 Eye Irrit. 2, H319 Carc. 2, H351 Specific concentration limit: Carc. 2, H351: $C \ge 5$ % Eye Irrit. 2, H319: $C \ge 10$ %	
CAS: 68131-39-5 EC: 500-195-7	Ethoxylated alcohol Pareth-7 C12-15	<0,5	Eye Dam. 1, H318 Aquatic Acute 1, H400 Specific concentration limit: Eye Dam. 1, H318: $C \ge 3$ % Eye Irrit. 2, H319: $1 \% \le C < 3$ %	
CAS: 68440-53-9 EC: 270-459-1	Quaternary alkylammonium salt	<0,5	Acute Tox. 4, H302 Skin Corr. 1B, H314 Specific concentration limit: Skin Corr. 1B, H314: $C \ge 5$ % Skin Irrit. 2, H315: $1 \% \le C < 5$ % Eye Dam. 1, H318: $C \ge 3$ % Eye Irrit. 2, H319: $1 \% \le C < 3$ %	

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

SECTION 4: First aid measures

Description of first aid measures 4.1.

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. An unconscious person place in a stable position and do not give anything by mouth. Avoid catching cold. Do not induce vomiting. At by spontaneous vomiting, prevent inhalation of vomitus.

If inhaled

Interrupt the exposure, rinse the oral cavity with water. Get a breath of fresh air. If difficulties arise with breathing or respiratory irritation, seek medical attention.

Wash the skin with lukewarm water and soap and treat with a regenerating cream. Remove clothing if contaminated clothing. If symptoms of irritation occur, seek medical attention.

If the victim wears contact lenses, remove them. With wide open eyes, rinse from the inner corner eyes towards the outside with a large amount of lukewarm water, especially the space under the lids. Rinse for at least 15 min.. In case of persistent problems, seek medical treatment.



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If swallowed

Do not induce vomiting. In case of spontaneous vomiting, prevent inhalation of vomitus. Rinse mouth water. Drink a glass of cold water (if the victim is conscious and not in pain). Search medical treatment and present this safety data sheet.

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

If inhaled

not available

If on skin

Long-term or repeated contact with the skin may cause degreasing of the skin.

If in eves

Direct exposure to the concentrated mixture may cause mild eye irritation (redness, burning, tearing).

If swallowed

Ingestion may

experience abdominal pain and nausea.

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

With the usual use of the mixture and compliance with the instructions for use, immediate medical help is not necessary. Require

only if the symptoms reach a certain degree, according to the data in paragraphs 4.1 and 4.2; Yippee symptomatic.

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. Do not inhale thermal decomposition products.

5.3. Advice for firefighters

Adapt protective equipment to the nature of the fire (self-contained breathing apparatus, emergency suit). Remove the mixture containers from the fire area if you can do so without risk. Combustion residues and water after intervention they 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, ensure an escape area. Avoid contact with skin and eyes - use personal protective equipment. Ensure against confusion with drinks and food. Avoid contact with sources heat

6.2. Environmental precautions

Secure the area of the leak, catch the leaking mixture. Prevent leakage into drains, soil, surface and groundwater. In the event of a large liquid leak, monitor the NPK concentration or TLV and inform the relevant state authorities and stream or sewer manager.

6.3. Methods and material for containment and cleaning up

Prevent leakage. In case of a large leak, pump out the mixture. In the event of a small leak, cover with a suitable sorbent (universal sorbent, sand, diatomaceous earth, sawdust, earth, vermiculite, etc.), used sorbent store in a closable waste container, label and dispose of according to applicable disposal regulations wastes. Wash the contaminated area.

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

Protect eyes and skin, avoid inhalation of sprayed mixture. Use personal protective equipment according to dept. 8. Ensure against confusion with drinks. The work area should be equipped with a source of drinking water. Observe the applicable health and safety legislation. Observe the principles of work hygiene with chemicals, do not eat, drink or smoke while working. Wash your hands with warm water before breaks, meals and after work

soapy water. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed with the cap facing up in the original packaging at a temperature of up to $50~^{\circ}\text{C}$ in a well-ventilated

places. Store away from food, drink and feed.

The warehouse should be equipped with a source of drinking water.

Store away from strong acids and oxidizing agents. Store out of reach of children.

Content	Packaging type	Material of package
1	bottle	PE
51	jerry can	PE
25 l	jerry can	PE
40 I	jerry can	PE
200	barrel / drum	PE

Storage temperature max. 50 °C

7.3. Specific end use(s)

not available

R

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture does not contain any constituents of national exposure limits specified in Annex 2, Government Decree 361/2007 Coll., As amended or European Union for Work Environment.

8.2. Exposure controls

Ensure sufficient ventilation, or extraction of the working space. In case of insufficient ventilation or spray application, use appropriate respiratory protection. Avoid contact

concentrated mixtures with skin and eyes. Ensure against confusion with drinks and food.

Observe hygienic measures for working with chemicals. The work area should be equipped with sources of drinking water

water. Do not eat, drink or smoke while working. Wash your hands with lukewarm water before breaks, meals and after work

with soap. Adapt personal protective equipment to the nature of the work.

Eye/face protection

Protective goggles.

Skin protection

Protective work clothing. Wash the affected skin, remove the stained clothing, before the next one wash after use. Protective gloves (material, e.g.: nitrile 0.1 mm, penetration time 480 min.) - be careful when choosing

manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Before the first

test for use at a specific workplace. Replace damaged gloves.



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Respiratory protection

If the recommended method of use is followed, it is not necessary. In a non-ventilated environment, a respirator, in the event of an accident, self-contained breathing apparatus...

Thermal hazard

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

Environmental exposure controls

Prevent leakage into sewers, soil, underground and surface water. Take care of 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

Information on basic physical and chemical properties

Physical state

Colour Odour

Melting point/freezing point

Boiling point or initial boiling point and boiling range

Flammability

Lower and upper explosion limit

Flash point

Auto-ignition temperature Decomposition temperature

Kinematic viscosity

Solubility in water

Partition coefficient n-octanol/water (log value)

Vapour pressure

Density and/or relative density

Relative vapour density

Particle characteristics

9.2. Other information liauid

Yellowish to colorless

characteristic

100 °C (at 1013,25 hPa)

data not available

The product is non-flammable.

data not available

soluble

data not available data not available

data not available

data not available

data not available

Density and/or relative density (at 20 °C): 1,016 kg/m3.

Explosive properties: The mixture does not show explosive properties.

Oxidizing properties: The mixture is not classified as oxidizing.

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.

10.3. Possibility of hazardous reactions

In contact with strong acids or oxidizing agents, an exothermic reaction may occur.



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10.4. Conditions to avoid

Temperatures above 50 ° C.

10.5. Incompatible materials

Strong oxidizing agents, strong acids.

10.6. Hazardous decomposition products

Under normal conditions, the mixture does not decompose. They are formed by thermal decomposition at high temperatures

dangerous decomposition products: COx, NOx, etc. Before use, check the compatibility of the cleaned materials.

SECTION 11: Toxicological information

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

The mixture is not classified as dangerous in the sense of EC Regulation No. 1272/2008, as amended.

Acute toxicity

Based on available data the classification criteria are not met.

Ethoxylated alcohol Pareth-7 C12-15					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD50	>5000 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD ₅₀	>2000 mg/kg		Rabbit	
Inhalation	LC50	>1.6 mg/l	6 hours	Rat (Rattus norvegicus)	

trisodium nitrilotriacetate						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	
Oral	LD50	920-1740 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD ₅₀	2000 mg/kg		Rabbit		
Inhalation	LC50	2.307 mg/l	4 days	Rat (Rattus norvegicus)		

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on the available data, the classification criteria are not met. The mixture contains carcinogens component in an amount below the specified specific concentration limit.

Reproductive toxicity

Based on available data the classification criteria are not met.



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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. Direct exposure to the concentrated mixture may cause mild eye irritation (redness, burning, tearing). Long-term or repeated contact with the skin may cause degreasing of the skin. Ingestion may experience abdominal pain and nausea.

SECTION 12: Ecological information

12.1. Toxicity

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

Acute toxicity

Ethoxylated alcohol Pareth-7 C12-15						
Parameter	Value	Exposure time	Species	Environment		
LC50	>2 mg/l	96 hours	Fish			
EC50	0.14 mg/l	48 hours	Invertebrates (Daphnia magna)			
EC50	0.75 mg/l	72 hours	Algae			

trisodium nitrilotriacetate					
Parameter	Value	Exposure time	Species	Environment	
LC50	103 mg/l	96 hours	Fish (Pimephales promelas)		
EC50	80 mg/l	24 hours	Invertebrates		

12.2. Persistence and degradability

The mixture is biodegradable.

The surfactants contained in this product are compatible with biodegradability criteria according to Directive (EU) 648/2004, on detergents as amended.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

12.4. Mobility in soil

Well 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

Prevent the mixture from leaking into the soil, ground or surface water or sewerage. Follow the usual environmental protection measures.



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of as waste, hand over for disposal to a person authorized to handle chemical substances or to hazardous waste collection yard. Treat contaminated packaging as you would your own dangerous mixture. Do not pour unused product down the drain or dispose of it together with municipal waste. A small amount after neutralization or dilution can be discharged into the sewer. At disposal of mixture and packaging residues must be carried out in accordance with local disposal regulations wastes.

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

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.

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.



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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.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.

Guidelines for safe handling used in the safety data sheet

P280 Wear protective gloves/protective clothing/eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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

EC50 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

ICAOInternational Civil Aviation OrganizationIMDGInternational Maritime Dangerous GoodsIMOInternational Maritime Organization

INCI International Nomenclature of Cosmetic Ingredients
ISO International Organization for Standardization
IUPAC International Union of Pure and Applied Chemistry

LC50 Lethal concentration of a substance in which it can be expected death of 50% of the

population

LD50 Lethal dose of a substance in which it can be expected death of 50% of the

population

log KowOctanol-water partition coefficientNPKMaximum admissible concentrationOELOccupational 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



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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

Aguatic Acute Hazardous to the aquatic environment

Carc. Carcinogenicity
Eye Dam. Serious eye damage
Skin Corr. Skin corrosion

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.