

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) .

Odpěňovač N 205

Creation date	21st September 2018	Version	2
Revision date	31st October 2022		

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

1.1. Product identifier Odpěňovač N 205
Substance / mixture mixture

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

Defoamer

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 Sens. 1, H317

Most serious adverse physico-chemical effects

Imperfect thermal decomposition at high temperatures may release dangerous gases.

Most serious adverse effects on human health and the environment

The mixture shows sensitizing effects, can cause an allergic skin reaction. Direct contact with the eyes may slightly irritate the eyes (watering, burning, redness). Ingestion may cause irritation of the digestive tract, abdominal pain, and nausea. Ensure against confusion with drinks and food. The mixture is not classified as dangerous for the aquatic environment. The mixture contains low concentrations of substances harmful to the aquatic environment. Follow the instructions for use to avoid risks to people and the environment. Prevent the mixture from escaping into the environment. The full wording of the H-phrases is given in Sect. 16 of this safety data sheet.

2.2. Label elements

Hazard pictogram



Signal word

Warning

Hazard statements

H317 May cause an allergic skin reaction.

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Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/eye protection.
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.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
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
CAS: 9005-00-9 EC: 500-017-8	Octadecan-1-ol, ethoxylated	<2	Aquatic Acute 1, H400 Aquatic Chronic 3, H412	
CAS: 69011-36-5 EC: 500-241-6 Registration number: 01-2119976362-32	Isotridecanol, ethoxylated	<2	Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C ≥ 3 %	
Index: 613-167-00-5 CAS: 55965-84-9	reaction mass of: 5-chloro-2- methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2 -methyl-2H -isothiazol-3- one [EC no. 220- 239-6] (3:1)	<0,01	Acute Tox. 3, H301 Acute Tox. 2, H310+H330 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 Specific concentration limit: Eye Irrit. 2, H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A, H317: C ≥ 0.0015 % Skin Irrit. 2, H315: 0.06 % ≤ C < 0.6 % Skin Corr. 1C, H314: C ≥ 0.6 % Eye Dam. 1, H318: C ≥ 0.6 %	1

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 2682-20-4 EC: 220-239-6	2-methyl-2H-isothiazol-3-one	<0,01	Acute Tox. 3, H301+H311 Skin Corr. 1B, H314 Skin Sens. 1, H317 Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH071 Specific concentration limit: Skin Sens. 1A, H317: C ≥ 0.0015 %	

Notes

- 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.

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

If inhaled

If inhalation occurs, rinse mouth with water, breathe fresh air. If respiratory tract irritation occurs and persists, seek medical attention.

If on skin

If clothing becomes contaminated, remove clothing. Wipe off the mixture, wash with lukewarm water, if the skin has not been injured with soap, treat with a regenerative cream. In case of skin irritation or allergic reaction, seek medical attention.

If in eyes

If the victim wears contact lenses, remove them. Flush eyes wide open with plenty of clean, lukewarm water, especially the area under the lids, for at least 10 minutes. Seek medical treatment.

If swallowed

Do not induce vomiting. Rinse your mouth with water, drink a glass of cold water. If nausea or health problems occur, seek medical attention and present this safety data sheet.

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

If inhaled

not available

If on skin

Contact with the skin may in rare cases cause mild irritation.

If in eyes

When rubbed directly into the eyes, it can slightly irritate the eyes (redness, tearing, burning).

If swallowed

Ingestion may cause nausea or abdominal pain.

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

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

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

Full stream of water.

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. Prevent the release of contaminated extinguishing agent into sewers and ground or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

The mixture is not dangerous, there is no need for special measures to protect people. Avoid contact with eyes and skin - use personal protective equipment. Ensure sufficient ventilation of the work area.

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 NPK concentration or TLV and inform the appropriate state authorities and stream or sewer manager.

6.3. Methods and material for containment and cleaning up

Stop the leak. 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, soil, vermiculite, etc.), store the used sorbent in a closable waste container, mark and dispose of it as hazardous waste. Wash the contaminated area with water, do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure sufficient ventilation of the work area. Protect eyes and skin, do not inhale vapors or sprayed mixture, use personal protective equipment according to sec. 8. Avoid confusion with drinks. 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. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed with the cap facing upwards in the original packaging in well-ventilated places. Store away from strong acids and oxidizing agents. The warehouse should be equipped with a source of drinking water. Store away from food, drink and feed. Store out of reach of children.

Content	Packaging type	Material of package
1 l	bottle	PE

Storage class 12 - Other non-combustible liquids
Storage temperature min 15 °C, max 30 °C

7.3. Specific end use(s)

The product must not freeze.

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.

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DNEL

Isotridecanol, ethoxylated					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	294 mg/m ³	Chronic effects systemic		
Workers	Dermal	2080 mg/kg/24h	Chronic effects systemic		

PNEC

Isotridecanol, ethoxylated			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	1.4 mg/l		
Freshwater environment	0.074 mg/l		
Marine water	0.007 mg/l		
Soil (agricultural)	0.1 mg/kg		
Freshwater sediment	0.604 mg/kg		
Sea sediments	0.06 mg/kg		

8.2. Exposure controls

Ensure sufficient ventilation, or extraction of the working space. Avoid contact with eyes and skin. Observe hygienic measures for working with chemicals. Do not eat, drink or smoke while working. Wash your hands with lukewarm water and soap before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

Eye/face protection

Protective goggles.

Skin protection

Work clothes. Remove contaminated clothing and wash before re-use. Protective gloves (material e.g. butyl rubber, thickness > 0.3 mm; penetration time > 480 min. or nitrile rubber, penetration time 10 – 30 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

If the recommended method of use is followed, it is not necessary. If there is a risk of inhalation, use a mask with a filter against organic vapors and aerosols.

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	white
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

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Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	7 (undiluted at 20 °C)
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	
Density	1 g/cm ³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Explosive properties: The mixture does not show explosive properties.
 Oxidizing properties: The mixture is not classified as oxidizing.
 Kinematic viscosity: Approx. 50 mPa.s (at 25 °C)
 VOC content: < 0%

SECTION 10: Stability and reactivity

10.1. Reactivity

In normal conditions, the mixture does not show dangerous reactions.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

The mixture does not show dangerous reactions if the instructions for use are followed. May react with strong acids to form an exothermic reaction.

10.4. Conditions to avoid

At temperatures below 5 °C and above 40 °C. Overheating and freezing.

10.5. Incompatible materials

Strong acids and bases, oxidizing agents.

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 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.

Isotridecanol, ethoxylated					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>2000 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD ₅₀	7.07 ml/kg		Rabbit	
Inhalation	LC ₅₀	>1.6 mg/l	4 hours	Rat (Rattus norvegicus)	

Octadecan-1-ol, ethoxylated					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>21000 mg/kg		Rat	

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Octadecan-1-ol, ethoxylated					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Dermal	LD ₅₀	>2000 mg/kg		Rabbit	
Inhalation	LC ₅₀	>100 mg/m ³	6 hours	Rat	

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

The mixture is classified as a skin sensitizer, category 1. It may cause an allergic skin 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

It does not contain substances causing disruption of the endocrine system. The mixture shows sensitizing effects, can cause an allergic skin reaction. In the case of sensitive people, it may slightly irritate the skin. Direct contact with the eyes may slightly irritate the eyes (watering, burning, redness). Ingestion may cause irritation of the digestive tract, abdominal pain, and nausea.

SECTION 12: Ecological information

12.1. Toxicity

The mixture contains components classified as dangerous for the environment in amounts below the specified concentration limit. Observe the usual environmental protection measures.

More information

The ecotoxic effects of the mixture were not assessed. Do not allow liquid to enter drains or surface water.

12.2. Persistence and degradability

The mixture is biodegradable. The proportion of silicone is non-biodegradable. Elimination by adsorption on activated sludge.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

12.4. Mobility in soil

The mixture is soluble in water, mobile in soil and water.

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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

not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

A smaller amount of the mixture can be flushed down the drain with a large amount of water. Dispose of mixture and packaging residues in accordance with local waste regulations. Hand over to an authorized person for disposal, e.g. in a hazardous waste incinerator. Uncontaminated packaging can be sent for recycling.

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 30 detergents other than those mentioned in 20 01 29

Packaging waste type code

15 01 02 plastic packaging

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not 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 amended. Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals.

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15.2. Chemical safety assessment

No chemical hazard assessment was performed for this mixture.

SECTION 16: Other information

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

H301	Toxic 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.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H310+H330	Fatal in contact with skin or if inhaled.
H301+H311	Toxic if swallowed or in contact with skin.

Guidelines for safe handling used in the safety data sheet

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/eye protection.
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.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container to in accordance with local regulations.

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

EUH071	Corrosive to the respiratory tract.
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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
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

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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
Acute Tox.	Acute toxicity
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Skin Corr.	Skin corrosion
Skin Sens.	Skin sensitization

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.