

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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

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

**1.1. Product identifier** NOVAPĚN  
Substance / mixture mixture

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

Foam 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
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.

Aerosol 1, H229, H222

Eye Irrit. 2, H319

#### Most serious adverse physico-chemical effects

The mixture is extremely flammable. Container under pressure: Do not expose to sunlight and temperatures above 50 ° C. Do not pierce or empty the empty container. Do not spray into naked flames or hot items. Keep away from sources of ignition - No smoking. Keep out of the reach of children. Incomplete combustion may generate hazardous gases.

#### Most serious adverse effects on human health and the environment

Inhalation of the aerosol may cause headaches, fatigue, drowsiness, malaise to narcotic conditions, exceptional irritation of mucous membranes and respiratory tract. Do not inhale aerosol. Irritating to eyes (tearing, burning, itching, redness, conjunctivitis). Long-term or repeated exposure may cause skin dryness. Follow the instructions in the operating instructions. The mixture is not classified as dangerous for the environment. Follow the instructions for use to avoid risks to humans and the environment. Avoid leakage into the soil, underground or surface water or sewers. The full wording of the classification and the H sentences is given in the section. 16 of this Safety Data Sheet.

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Danger

#### Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.

#### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

### 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: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25	propan-2-ol	12-20	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	3
Index: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9 Registration number: 01-2119486944-21	propane	2,5-5	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	2
Index: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7 Registration number: 01-2119474691-32	butane	2,5-5	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	

# 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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 601-004-00-0 CAS: 75-28-5 EC: 200-857-2 Registration number: 01-2119485395-27	isobutane	2,5-5	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	
Index: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1 Registration number: 01-2119457435-35	1-methoxy-2-propanol	1-2,5	Flam. Liq. 3, H226 STOT SE 3, H336	3
Index: 007-001-01-2 CAS: 1336-21-6 EC: 215-647-6	ammonia 25 %	0,1-1	Skin Corr. 1B, H314 Aquatic Acute 1, H400 Specific concentration limit: STOT SE 3, H335: C ≥ 5 %	1

### 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 U (Table 3): When put on the market gases have to be classified as "Gases under pressure", in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:

Press. Gas (Comp.)  
Press. Gas (Liq.)  
Press. Gas (Ref. Liq.)  
Press. Gas (Diss.)

Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

- 3 A substance for which exposure limits are set.

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

If you feel any health problems or if in doubt, seek medical advice and provide information from this Safety Data Sheet. In the case of life-threatening conditions, resuscitate. Keep the unconscious person in a stabilized position and do not give anything by mouth. Avoid cool. Do not induce vomiting. For spontaneous vomiting, avoid inhalation of vomit. If burning occurs, cool the burn with cold water and cover with a clean cloth.

#### If inhaled

If inhaled, stop exposure, flush the oral cavity with water, breathe fresh air. If respiratory tract irritation develops, seek medical attention. If necessary (breathing or irregular breathing), perform artificial respiration.

#### If on skin

Wash all affected parts with water with soap, treat with regeneration cream. In case of garment contamination, remove the garment. If symptoms of irritation develop, seek medical attention.

#### If in eyes

Rinse eyes and their surroundings. If the affected contact lenses are removed, remove them. Rinse out the eyes from the inner corner of the eye towards the outside of a large amount of clean, lukewarm water, especially the area under the lids. Rinse for at least 15 minutes and seek medical attention. In the flushing, continue during transport to the doctor.

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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

### If swallowed

Do not induce vomiting, rinse your mouth with water, drink a glass of water (only if it is conscious and has no cramps). Immediately seek medical advice and present this Safety Data Sheet.

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

#### If inhaled

Inhalation of the aerosol may cause headaches, fatigue, drowsiness, malaise to narcotic conditions, exceptional irritation of mucous membranes and respiratory tract. Do not inhale aerosol.

#### If on skin

Long-term or repeated exposure may cause skin dryness.

#### If in eyes

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

#### If swallowed

not available

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

In the normal use of the compound, immediate medical assistance is not required. It is required only if the symptoms of a certain degree are attained, as described in paragraphs 4.1 to 4.2; is symptomatic.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Multipurpose powders, CO<sub>2</sub>, foam, water mist, sand.

#### Unsuitable extinguishing media

Water - full jet. Spritzed water can only be used to cool packaging near the fire.

### 5.2. Special hazards arising from the substance or mixture

Extremely flammable mixture. Incomplete combustion may result in hazardous gases (CO<sub>x</sub>, NO<sub>x</sub>, hydrocarbons, etc.). Do not breathe fumes. At elevated temperatures, the container may be overpressured and burst. Vapors are heavier than air, accumulate in lower positions. When mixed with air, an explosive mixture may form. There is a risk of re-ignition.

### 5.3. Advice for firefighters

Isolation breathing apparatus and non-flammable intervention suit. Use non-sparking tools. 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

Avoid entry of unauthorized persons, ensure escape area. Remove sources of heat and ignition, do not smoke, do not expose to direct sunlight. Use non-sparking tools, avoid electrostatic charge. Ensure adequate ventilation of the work area. Avoid breathing vapors. Avoid contact with skin and eyes - use personal protective equipment.

### 6.2. Environmental precautions

Ensure escape area, do not allow to enter into sewers, soil, surface and ground water. In the event of a large leak, monitor NPK concentrations or concentrations. TLV and inform the appropriate governmental authorities and the flow or sewerage manager.

### 6.3. Methods and material for containment and cleaning up

Aerosol vaporizes, ensure adequate ventilation. Avoid leakage of the liquid fraction, cover with non-combustible sorbent (sand, kieselguhr, earth, vermiculite, etc.). Store the used sorbent in a sealing waste container and dispose of as hazardous waste. Wash the contaminated area with water.

### 6.4. Reference to other sections

For recommended personal protective equipment, see Section 8. Dispose of unused product according to section 13.

# 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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Ensure adequate ventilation of the work area. Avoid generation of gases and vapors in flammable or explosive concentrations and concentrations exceeding the maximum allowable concentrations (NPK-P) for working atmosphere. Avoid contact with open fire and other sources of ignition. Protect from direct sunlight. Use non-sparking tools. Take precautionary measures against static discharges. Protect eyes and skin, do not breathe aerosol, use personal protective equipment according to section 8. Observe the applicable health and safety legislation. Observe the principles of hygiene with chemicals, do not eat, drink, smoke. Wash hands with warm soapy water before breaks, eating and after work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in original containers at temperatures up to 50 ° C in dry, well-ventilated areas. Store away from sources of heat, protect from direct sunlight, do not smoke. Store away from food, drink and animal feed. Store separately as flammable. Observe general regulations on the storage of pressure containers. Follow the instructions on the label.

Content	Packaging type	Material of package
600 ml	aerosol can	FE

Storage class 2B - Aerosols  
 Storage temperature max. 50 °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	Note
propan-2-ol (CAS: 67-63-0)	PEL	500 mg/m <sup>3</sup>	irritating to mucous membranes (eyes, respiratory system) and skin
	PEL	200 ppm	
	NPK-P	1000 mg/m <sup>3</sup>	
	NPK-P	400 ppm	
1-methoxy-2-propanol (CAS: 107-98-2)	PEL	270 mg/m <sup>3</sup>	skin penetration is significantly involved during exposure
	PEL	72,09 ppm	
	NPK-P	550 mg/m <sup>3</sup>	
	NPK-P	146,84 ppm	

##### European Union

##### Commission Directive 2000/39/EC

Substance name (component)	Type	Value	Note
1-methoxy-2-propanol (CAS: 107-98-2)	OEL 8 hours	375 mg/m <sup>3</sup>	Skin
	OEL 8 hours	100 ppm	
	OEL 15 minutes	568 mg/m <sup>3</sup>	

# 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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

### European Union

### Commission Directive 2000/39/EC

Substance name (component)	Type	Value	Note
1-methoxy-2-propanol (CAS: 107-98-2)	OEL 15 minutes	150 ppm	Skin

### DNEL

1-methoxy-2-propanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	369 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Dermal	183 mg/kg/24h	Chronic effects systemic		

propan-2-ol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	500 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Dermal	888 mg/kg/24h	Chronic effects systemic		

### PNEC

1-methoxy-2-propanol			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	100 mg/l		
Freshwater environment	10 mg/l		
Marine water	1 mg/l		
Soil (agricultural)	4.59 mg/kg		
Freshwater sediment	52.3 mg/kg		
Sea sediments	5.2 mg/kg		

propan-2-ol			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	2251 mg/l		
Freshwater environment	140.9 mg/l		
Marine water	140.9 mg/l		
Soil (agricultural)	28 mg/kg		
Freshwater sediment	552 mg/kg		
Sea sediments	552 mg/kg		

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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

### 8.2. Exposure controls

Ensure adequate ventilation or extraction of the work area. If NPK-P is exceeded, use adequate respiratory protection. Avoid contact with skin and eyes, do not inhale aerosol. Observe hygiene measures for handling chemicals. Do not eat, drink or smoke while working. Wash hands with lukewarm water and soap before breaks, food, and after work. Adapt personal protective equipment to the nature of the work.

#### Eye/face protection

Protective goggles.

#### Skin protection

Protective workwear made of non-flammable material. Wash affected skin, remove contaminated clothing, wash before further use. Protective gloves (material, e.g.: nitrile 0.4 mm, penetration time > 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

If the limit values are exceeded, in the case of an increased risk of inhalation and inadequate ventilation, use a mask with an organic vapor / aerosol filter type A. In case of accident or prolonged exposure, use an insulating respirator.

#### Thermal hazard

Avoid exposure to temperatures above 50 °C.

#### 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	colourless
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	Flammable Class I.
Lower and upper explosion limit	
bottom	2 %
upper	12 %
Flash point	data not available
Auto-ignition temperature	425 °C
Decomposition temperature	data not available
pH	10 (undiluted)
Kinematic viscosity	data not available
Solubility in water	soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	8 hPa at 20 °C
Density and/or relative density	
Density	data not available
Relative density	890 kg/m <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

### 9.2. Other information

Appearance	spray
Content of organic solvents (VOC)	< 25.7

# 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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

Water content: 74.3%  
 Non-volatile content: 0.0%  
 Explosive properties: Not explosive. Solvent vapors can form an explosive mixture when mixed with air.  
 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

When exposed to high temperatures, there is a risk of explosion of a pressure vessel. Danger of violent reaction in contact with strong acid or oxidizing agents. Vapors may form explosive mixtures with air.

#### 10.4. Conditions to avoid

Temperatures above 50 °C, contact with open fire, possible sources of ignition and hot surfaces, sparks, static electricity. Avoid formation of concentrations within the limits of explosivity.

#### 10.5. Incompatible materials

Flammable materials, strong oxidizing agents, strong acids.

#### 10.6. Hazardous decomposition products

Under normal conditions, the mixture is not decomposed. Incomplete combustion or thermal decomposition produces toxic products of combustion (CO<sub>x</sub>, NO<sub>x</sub>, 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.

1-methoxy-2-propanol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	> 5000 mg/kg		Rat	
Dermal	LD <sub>50</sub>	> 13000 mg/kg		Rat	
Inhalation	LC <sub>50</sub>	54.6 mg/l	4 hours	Rat (Rattus norvegicus)	

ammonia 25 %					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	350 mg/kg		Rat	
Inhalation	LD <sub>50</sub>	5.1 mg/m <sup>3</sup>	4 hours	Rat	
	TCLo	408 ppm		Human	

butane					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation	LC <sub>50</sub>	658 mg/l	4 hours	Rat	



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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

propan-2-ol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	5480 mg/kg		Rat ( <i>Rattus norvegicus</i> )	
Dermal	LD <sub>50</sub>	12800 mg/kg		Rabbit	
Inhalation	LC <sub>50</sub>	72.6 mg/l	4 hours	Rat ( <i>Rattus norvegicus</i> )	

propane					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation	LC <sub>50</sub>	658 mg/l	4 hours	Rat	

### Skin corrosion/irritation

Based on available data the classification criteria are not met. Prolonged or repeated contact with the product causes skin degreasing and drying.

### Serious eye damage/irritation

The mixture is classified as eye irritant, category 2. Causes serious eye irritation.

### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

### Germ cell mutagenicity

Based on available data the classification criteria are not met.

### Carcinogenicity

Based on available data the classification criteria are not met.

### Reproductive toxicity

Based on available data the classification criteria are not met.

### Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

### Aspiration hazard

Based on available data the classification criteria are not met.

## 11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system. Inhalation of the aerosol can cause headaches, fatigue, drowsiness. Irritating to the eyes (watering, burning, itching, redness, conjunctivitis). Prolonged or repeated exposure may cause skin dryness.

## SECTION 12: Ecological information

### 12.1. Toxicity

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

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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

### Acute toxicity

1-methoxy-2-propanol				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	20.8 g/l	96 hours	Fish (Pimephales promelas)	
LC <sub>50</sub>	4600-10000 mg/l	96 hours	Fish (Leuciscus idus)	
EC <sub>50</sub>	>500 mg/l	24 hours	Invertebrates (Daphnia magna)	

ammonia 25 %				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	0.024-0.093 mg/kg	48 hours	Fish (Lepomis macrochirus)	
EC <sub>50</sub>	0.66 mg/l	48 hours	Invertebrates (Daphnia magna)	

propan-2-ol				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	9640 mg/l	96 hours	Fish (Pimephales promelas)	
EC <sub>50</sub>	>1000 mg/l	24 hours	Invertebrates (Daphnia magna)	

### More information

Avoid release to the environment.

#### 12.2. Persistence and degradability

The surfactants contained meet the requirement for biological degradability.

#### 12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

#### 12.4. Mobility in soil

The product is soluble and mobile in water and soil.

#### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) 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

Water hazard class 1 (Self-classification): low water hazard Prevent leakage into soil, ground or surface water or sewers. Leakage of larger quantities can change the pH of the water environment. Observe the usual environmental protection measures.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Appropriate methods of disposal of the mixture: Dispose of as hazardous waste, dispose of it to the authorized person or to the hazardous waste collection yard. Dispose of residues of the mixture and the packaging in accordance with local waste disposal regulations. Suitable methods for disposal of contaminated packaging: Dispose of as hazardous waste according to local regulations. Uncontaminated packaging can be recycled.

#### 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.

# 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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

20 01 13\* Solvents

### Packaging waste type code

- 15 01 11\* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers
  - 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

UN 1950

### 14.2. UN proper shipping name

AEROSOLS

### 14.3. Transport hazard class(es)

2 Gases

### 14.4. Packing group

not relevant

### 14.5. Environmental hazards

No.

### 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

Can not be used.

#### Additional information

Hazard identification No.

UN number

Classification code

Safety signs

1950

5F

2.1



#### Road transport - ADR

Limited quantities 1 L

Excepted quantities E0

Transport category 2

Tunnel restriction code (D)

#### Railway transport - RID

#### Air transport - ICAO/IATA

Packaging instructions for limited amount Y203

Packaging instructions passenger 203

Cargo packaging instructions 203

#### Marine transport - IMDG

EmS (emergency plan) F-D, S-U

MFAG 620

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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

### 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.

### SECTION 16: Other information

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

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.

#### Guidelines for safe handling used in the safety data sheet

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C.

#### Other important information about human health protection

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

#### Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population

# 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) .

## NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

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 <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
log K <sub>ow</sub>	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
Press. Gas (Comp.)	Gas under pressure: compressed gas
Press. Gas (Diss.)	Gas under pressure: dissolved gas
Press. Gas (Liq.)	Gas under pressure: liquefied gas
Press. Gas (Ref. Liq.)	Gas under pressure: refrigerated liquefied gas
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
Aerosol	Aerosol
Aquatic Acute	Hazardous to the aquatic environment
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
Press. Gas	Gases under pressure
Skin Corr.	Skin corrosion
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.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

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.

### More 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) .

### NOVAPĚN

Creation date	12th October 2011	Version	5
Revision date	07th December 2022		

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.

#### 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.

