

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) .

REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

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

1.1. Product identifier REMOVER TAL
Substance / mixture mixture

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

Seal Remover

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

STOT SE 3, H336

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 can cause headaches, fatigue, drowsiness, exceptionally irritation of mucous membranes and respiratory tract. Do not inhale aerosol. The mixture irritates the eyes (burning, tearing, redness, inflammation of conjunctivae). Frequent or prolonged contact with the skin causes dryness or cracking of the skin to dermatitis. Avoid contact with eyes and skin contact. The mixture is not classified as dangerous for the environment. Avoid leakage into the soil, underground or surface water or sewers. Empty empty packaging into a special hazardous waste container. The full wording of the classification and H phrases is given in section 16 of this Safety Data Sheet.

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REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th 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.
H336	May cause drowsiness or dizziness.

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.
P261	Avoid breathing vapors/aerosols.
P280	Wear protective gloves/protective clothing/eye protection.
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/122 °F.
P501	Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

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: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2	acetone	25-50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 10 % STOT SE 3, H336: C ≥ 20 %	2
Index: 603-019-00-8 CAS: 115-10-6 EC: 204-065-8	dimethyl ether	25-50	Press. Gas, Flam. Gas 1, H220	1, 2

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) .

REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1	n-butyl acetate	10-20	Flam. Liq. 3, H226 STOT SE 3, H336 Specific concentration limit: STOT SE 3, H336: C ≥ 20 %	2
Index: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1	1-methoxy-2-propanol	5-10	Flam. Liq. 3, H226 STOT SE 3, H336 Specific concentration limit: STOT SE 3, H336: C ≥ 20 %	2
Index: 606-010-00-7 CAS: 108-94-1 EC: 203-631-1	cyclohexanone	2,5-5	Flam. Liq. 3, H226 Acute Tox. 4, H332	2, 3
Index: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6	2-(2-butoxyethoxy)ethanol	<3	Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 10 %	2, 4

Notes

- 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).

- A substance for which exposure limits are set.
- Substance for which biological limit values exist.
- The use of the substance is restricted by Annex XVII of REACH Regulation

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

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of health problems or in case of doubt, consult a physician and provide him with the information in this safety data sheet. In case of life-threatening conditions, perform resuscitation. Keep unconscious person in a stabilized position and do not give anything by mouth. Avoid cooling. Do not induce vomiting. In case of spontaneous vomiting, avoid inhalation of vomitus. If burns occur, 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

Wipe the product thoroughly, rinse thoroughly with warm water, soap and treat with a regenerating cream. In case of garment contamination, remove the garment. If symptoms of irritation develop, seek medical help.

If in eyes

If it has affected contact lenses, remove them if possible. Open wide eyes rinse out of the inner corner of the eye toward 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.

If swallowed

In the case of an aerosol product, ingestion is very unlikely. Do not induce vomiting, rinse your mouth with water. Immediately seek medical advice and present this Safety Data Sheet. Risk of inhalation of vomit.

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) .

REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

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

If inhaled

Inhalation may result in mild irritation of the mucous membranes and respiratory tract. Vapor inhalation causes headaches, dizziness, malaise, fatigue and general weakness.

If on skin

Long-term or repeated exposure may cause skin dryness to dermatitis.

If in eyes

The mixture irritates the eyes (redness, tearing, burning, inflammation of conjunctivae).

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

In the case of the usual use of the mixture and following the instructions in the instructions for use, immediate medical assistance is not required. Special treatment is required if symptoms of a certain degree occur, according to the data in sections 4.1 and 4.2; is symptomatic.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Multipurpose powders, CO₂, foam, water mist, sand.

Unsuitable extinguishing media

Full stream of water. Crushed water can be used to cool the containers near the fire.

5.2. Special hazards arising from the substance or mixture

Extremely flammable mixture. Incomplete combustion may result in hazardous gases (CO_x, NO_x, 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. Cool containers exposed to fire with water spray or foam. Burning residues and post-intervention water 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

Break the leak. Aerosol vaporizes, ensure adequate ventilation. In case of leakage of the liquid fraction, cover the non-combustible sorbent (sand, diatomaceous earth, soil, universal sorbent, etc.), place the used sorbent in a sealing waste container, mark it and dispose of as hazardous waste. Wash the contaminated area with water.

6.4. Reference to other sections

Recommended personal protective equipment according to 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) .

REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th 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
400 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
acetone (CAS: 67-64-1)	PEL	800 mg/m ³	irritating to mucous membranes (eyes, respiratory system) and skin
	PEL	331,4 ppm	
	NPK-P	1500 mg/m ³	
	NPK-P	621,4 ppm	
dimethyl ether (CAS: 115-10-6)	PEL	1000 mg/m ³	
	PEL	522 ppm	
	NPK-P	2000 mg/m ³	
	NPK-P	1045 ppm	
n-butyl acetate (CAS: 123-86-4)	PEL	241 mg/m ³	
	PEL	50 ppm	
	NPK-P	723 mg/m ³	
	NPK-P	150 ppm	
1-methoxy-2-propanol (CAS: 107-98-2)	PEL	270 mg/m ³	skin penetration is significantly involved during exposure
	PEL	72,09 ppm	
	NPK-P	550 mg/m ³	
	NPK-P	146,84 ppm	

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) .

REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

Czech Republic

Government Regulation 330/2023 Coll.

Substance name (component)	Type	Value	Note
cyclohexanone (CAS: 108-94-1)	PEL	40 mg/m ³	substance is significantly absorbed through the skin during the exposure
	PEL	9,8 ppm	
	NPK-P	80 mg/m ³	
	NPK-P	19,6 ppm	
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	PEL	70 mg/m ³	irritating to mucous membranes (eyes, respiratory system) and skin
	NPK-P	100 mg/m ³	

European Union

Commission Directive (EU) 2019/1831

Substance name (component)	Type	Value	Note
n-butyl acetate (CAS: 123-86-4)	OEL 8 hours	241 mg/m ³	
	OEL 8 hours	50 ppm	
	OEL 15 minutes	723 mg/m ³	
	OEL 15 minutes	150 ppm	

European Union

Commission Directive 2000/39/EC

Substance name (component)	Type	Value	Note
acetone (CAS: 67-64-1)	OEL 8 hours	1210 mg/m ³	
	OEL 8 hours	500 ppm	
dimethyl ether (CAS: 115-10-6)	OEL 8 hours	1920 mg/m ³	
	OEL 8 hours	1000 ppm	
1-methoxy-2-propanol (CAS: 107-98-2)	OEL 8 hours	375 mg/m ³	Skin
	OEL 8 hours	100 ppm	
	OEL 15 minutes	568 mg/m ³	
cyclohexanone (CAS: 108-94-1)	OEL 15 minutes	150 ppm	Skin
	OEL 8 hours	40,8 mg/m ³	
	OEL 8 hours	10 ppm	
	OEL 15 minutes	81,6 mg/m ³	
	OEL 15 minutes	20 ppm	

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) .

REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

European Union
Commission Directive 2006/15/EC

Substance name (component)	Type	Value	Note
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	OEL 8 hours	67,5 mg/m ³	
	OEL 8 hours	10 ppm	
	OEL 15 minutes	101,2 mg/m ³	
	OEL 15 minutes	15 ppm	

Biological limit values
Czech Republic
Decree No. 107/2017 Coll.

Name	Parameter	Value	Tested material	Time of sampling
cyclohexanone (CAS: 108-94-1)	1,2-Cyclohexanediol (after hydrolysis)	50 mg/g of creatinine	Urine	End of shift at the end of the working week
		0,049 mg/l		

DNEL

2-(2-butoxyethoxy)ethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	67.5 mg/m ³	Chronic effects systemic		
Workers	Inhalation	101.2 mg/m ³	Acute effects local		
Workers	Dermal	83 mg/kg/24h	Chronic effects systemic		

acetone					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1210 mg/m ³	Chronic effects systemic		
Workers	Dermal	186 mg/kg/24h	Chronic effects systemic		
Workers	Inhalation	2420 mg/m ³	Acute effects local		

dimethyl ether					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1894 mg/m ³	Chronic effects systemic		

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) .

REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

n-butyl acetate					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	300 mg/m ³	Chronic effects systemic		
Workers	Inhalation	600 mg/m ³	Acute effects systemic		
Workers	Inhalation	960 mg/m ³	Acute effects systemic		
Workers	Dermal	11 mg/kg/24h	Chronic effects systemic		

PNEC

acetone			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	100 mg/l		
Freshwater environment	10.6 mg/l		
Marine water	1.06 mg/l		
Soil (agricultural)	29.5 mg/kg		
Freshwater sediment	30.4 mg/kg		
Sea sediments	3.04 mg/kg		

n-butyl acetate			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	35.6 mg/l		
Freshwater environment	0.18 mg/l		
Marine water	0.018 mg/l		
Soil (agricultural)	0.09 mg/kg		
Freshwater environment	0.981 mg/kg		
Sea sediments	0.098 mg/kg		

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

Closed safety glasses.

Skin protection

Protective work clothing made of natural fibers or of synthetic fibers resistant to high temperatures and footwear; Remove clothes from splashed clothing, wash before using again. Protective gloves (material eg butyl 0,7 mm, penetration time 480 min or PVC, latex, etc.). Observe the recommended penetration time of the glove material. When selecting the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Replace damaged gloves.

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REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

Respiratory protection

In case of insufficient ventilation or long-term exposure, use a mask with an organic vapor and aerosol filter type AX. In case of exceeding the limit values or during intensive loads, use an insulating respirator.

Thermal hazard

Exposure to elevated temperatures may result in tearing of the aerosol container when overheating.

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	pink
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	data not available
upper	32 %
Flash point	<0 °C
Auto-ignition temperature	>200 °C
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	slightly miscible
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	767 kg/m ³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Appearance	aerosol
Content of organic solvents (VOC)	96.4 % (740.1 g/l)
Vapors are heavier than air, accumulate primarily in the floor, where they may form explosive mixtures with the air.	
Water content: 1.7%	

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is extremely flammable.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No dangerous reactions known. When exposed to high temperatures, there is a risk of explosion of a pressure vessel. Solvent vapors may form explosive mixtures with air.

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) .

REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

10.4. Conditions to avoid

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

10.5. Incompatible materials

Flammable materials, strong oxidizing agents, strong acids and alkalis.

10.6. Hazardous decomposition products

Under normal conditions, the mixture is not decomposed. Incomplete combustion or thermal decomposition produces toxic products of burning (CO, CO₂, thick smoke, 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.

REMOVER TAL					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	51233 mg/kg		Rat (Rattus norvegicus)	
Inhalation	LD ₅₀	100 mg/l	4 hours	Rat (Rattus norvegicus)	
Dermal	LD ₅₀	31635 mg/kg		Rabbit	

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Mixture is classified as eye irritant, category 2.

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

Mixture is classified as toxic to specific target organs after single exposure, category 3. It may cause drowsiness, dizziness, the mixture has an annoying effect.

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.

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REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system. Inhalation may cause mild irritation of the mucous membranes and respiratory tract. Inhalation of vapors causes headaches, dizziness, malaise, fatigue and general weakness. The mixture irritates the eyes (redness, tearing, burning, even conjunctivitis). Frequent or long-term contact with the skin can cause dryness, cracking of the skin and even dermatitis. Ingestion of the liquid fraction may cause abdominal pain and nausea.

SECTION 12: Ecological information

12.1. Toxicity

Data not available.

Acute toxicity

acetone				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	5540 mg/l	96 hours	Fish	
EC ₅₀	8800 mg/l	48 hours	Invertebrates (Daphnia magna)	

n-butyl acetate				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	18 mg/l	96 hours	Fish (Pimephales promelas)	
EC ₅₀	44 mg/l	48 hours	Invertebrates (Daphnia magna)	

12.2. Persistence and degradability

Data not available.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

12.4. Mobility in soil

It is unlikely due to low solubility in 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 sewers, soil and underground or surface water. Observe the usual environmental precautions.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of as hazardous waste, dispose of it to an authorized person (disposal, for example, in a hazardous waste incinerator). Dispose of residues of the mixture and the packaging in accordance with local regulations on waste disposal. The waste producer is responsible for sorting waste and removing it. Dispose of contaminated packaging as hazardous waste according to local regulations. Uncontaminated packaging can be recycled.

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

14 06 03* other solvents and solvent mixtures

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) .

REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

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



5F

2.1



Tunnel restriction code

(D)

Air transport - ICAO/IATA

Packaging instructions passenger

203

Cargo packaging instructions

203

Marine transport - IMDG

EmS (emergency plan)

F-D, S-U

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.

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) .

REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

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

2-(2-butoxyethoxy)ethanol

Restriction	Conditions of restriction
55	<p>1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight.</p> <p>2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.</p> <p>3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows:</p> <p>"Do not use in paint spraying equipment".</p>

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.

H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

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.
P261	Avoid breathing vapors/aerosols.
P280	Wear protective gloves/protective clothing/eye protection.
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/122 °F.
P501	Dispose of contents/container in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.

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

EUH066	Repeated exposure may cause skin dryness or cracking.
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Other important information about human health protection

SAFETY DATA SHEET

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REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th 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 supplier can not control the specific conditions of use of the mixture, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
NPK	Maximum admissible concentration
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
Acute Tox.	Acute toxicity
Aerosol	Aerosol
Eye Irrit.	Eye irritation
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid

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REMOVER TAL

Creation date	03rd August 2011	Version	5
Revision date	20th December 2022		

Press. Gas Gases under pressure
 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

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.

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.

