

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) .

REZOJED litráž

Creation date	13th November 2010	Version	15
Revision date	09th December 2022		

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

1.1. Product identifier REZOJED litráž
Substance / mixture mixture

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

Mixture for loosening rusted joints

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.

Flam. Liq. 3, H226
Asp. Tox. 1, H304
Skin Irrit. 2, H315
STOT SE 3, H336
STOT RE 2, H373
Aquatic Chronic 2, H411

Most serious adverse physico-chemical effects

The mixture is flammable. Avoid contact with open flames, direct sunlight, sparks and heat sources. Use non-sparking tools. Take precautionary measures against static discharges. Thermal decomposition at high temperatures or incomplete combustion may release hazardous decomposition products. Avoid inhaling flue gases. Solvent vapors are heavier than air and accumulate in the lower positions when mixed with air may form explosive mixture.

Most serious adverse effects on human health and the environment

Inhalation of vapors may cause headache, fatigue, drowsiness, malaise to narcotic conditions, or irritation of mucous membranes and respiratory tract with cough. The ingress of liquid into the respiratory tract when swallowed or the aspiration of vomit with subsequent vomiting may cause bronchopneumonia or pulmonary edema. Irritating to skin (burning, itching, drying). Prolonged or repeated skin contact may cause skin dryness or cracking to dermatitis. Extended or repeated exposure by inhalation may cause damage to the auditory organs. Do not inhale spray mixture or vapors. Avoid contact with eyes and skin. Secure against confusion with beverages and food. The mixture is classified as toxic to the environment. Follow the instructions for use to avoid risks to humans and the environment. The liquid is lighter than water and can cover water level. Do not allow to enter soil, ground or surface water or drains. The full text of the classifications and H-phrases is displayed in section 16. of this safety data sheet.

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2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to in accordance with local regulations.

2.3. Other hazards

The mixture or its components are not classified as PBT or vPvB nor are they listed on the candidate list for Annex XIV of the REACH Regulation as of the date of preparation of the SDS.

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: 649-356-00-4 CAS: 64742-95-6 EC: 265-199-0	Solvent naphtha (petroleum), light arom.	>30	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411 Specific concentration limit: Skin Irrit. 2, H315: C ≥ 10 % Asp. Tox. 1, H304: C ≥ 10 % STOT SE 3, H336: C ≥ 20 %	2, 4, 6
Index: 649-221-00-X CAS: 64742-46-7 EC: 265-148-2	Distillates (petroleum), hydrotreated middle	>15	Asp. Tox. 1, H304 Carc. 1B, H350 Specific concentration limit: Asp. Tox. 1, H304: C ≥ 10 %	2, 4, 5

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 649-327-00-6 CAS: 64742-48-9 EC: 265-150-3	Naphtha (petroleum), hydrotreated heavy	<9,5	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Aquatic Chronic 2, H411 Specific concentration limit: Asp. Tox. 1, H304: C ≥ 10 % Skin Irrit. 2, H315: C ≥ 10 %	2, 4, 6
Index: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4	ethylbenzene	1-15	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT RE 2, H373 Specific concentration limit: STOT RE 2, H373: C ≥ 10 % Asp. Tox. 1, H304: C ≥ 10 %	2, 3
CAS: 7782-42-5 EC: 231-955-3	graphite	>5	not classified as dangerous	2
Index: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7	xylene	1-6,9	Flam. Liq. 3, H226 Acute Tox. 4, H312+H332 Skin Irrit. 2, H315 Specific concentration limit: Acute Tox. 4, H312+H332: C ≥ 12.5 % Skin Irrit. 2, H315: C ≥ 10 %	1, 2, 3
Index: 601-025-00-5 CAS: 108-67-8 EC: 203-604-4	1,3,5-trimethylbenzen	0,1-2,4	Flam. Liq. 3, H226 STOT SE 3, H335 Aquatic Chronic 2, H411 Specific concentration limit: STOT SE 3, H335: C ≥ 25 %	2

Notes

- Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- 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
- Note N: The harmonised classification as a carcinogen applies unless the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen, in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.
- Note P: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply.

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 exposure, if suspected or in case of health problems, consult a doctor and provide him with the information from this safety data sheet. Ensure when providing first aid safety of the rescuer and the rescued. In case of life-threatening conditions, perform resuscitation. Place the unconscious person in a stable position and do not give anything by mouth. If necessary (respiratory arrest or irregular breathing), perform artificial respiration. Avoid cooling down. Do not induce vomiting. In case of spontaneous vomiting, keep your head tilted, avoid inhaling vomit. If burns occur during combustion, cool the burn with cold water and cover with a clean cloth.

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If inhaled

If inhaled, stop exposure immediately, rinse mouth with water, inhale fresh air. If clothing has been affected, remove clothing. Keep victim calm and secure against chills. If necessary (respiratory arrest or irregular breathing), perform artificial respiration with a breathing bag, not directly from mouth to mouth. Seek medical attention if respiratory tract irritation occurs. If liquid is inhaled into the lungs, administer artificial respiration immediately and call a physician immediately.

If on skin

Wipe off the mixture, wash thoroughly with soap and water and treat with a regenerating cream. If clothing is contaminated, remove clothing. Seek medical attention if irritation develops and persists.

If in eyes

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

If swallowed

Do not induce vomiting. Rinse mouth with water and drink a glass of water (only if the person is conscious and has no pain). Seek medical attention immediately and present this safety data sheet.

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

If inhaled

Inhalation of vapors may cause headache, fatigue, drowsiness, malaise to narcotic conditions, or irritation of mucous membranes and respiratory tract with cough. Prolonged or repeated exposure by inhalation may cause damage to the auditory organs. Ingestion of the respiratory tract when swallowed or aspiration of vomit with subsequent vomiting may cause bronchopneumonia or pulmonary edema.

If on skin

Irritating to skin (burning, itching, drying). Prolonged or repeated skin contact may cause skin dryness or cracking to dermatitis.

If in eyes

not available

If swallowed

Abdominal pain and nausea may occur if the liquid is ingested.

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

Immediate medical attention is not required during normal use of the mixture. Special treatment is required if swallowed, inhaled and in cases where symptoms reach a certain level, as indicated in sections 4.1 and 4.2; is symptomatic. Symptoms of poisoning may be delayed, medical supervision of min. 48 hours after exposure.

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

Thermal decomposition can produce hazardous decomposition products (CO_x, thick black smoke, smoke, etc.). Do not breathe decomposition products. Exposure to elevated temperatures may lead to the evolution of vapors and rupture of the container. Solvent vapors are heavier than air, accumulate in low positions, and may form explosive mixtures with air. Risk of mixture igniting again.

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.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent unauthorized entry, mark, secure and insulate spill area. Always use personal protective equipment when there is a risk of exposure. Ensure adequate ventilation, do not inhale spray mixture or vapors. Avoid contact with skin and eyes - use personal protective equipment. Avoid contact with open flames and other sources of ignition, do not smoke, or expose to direct sunlight. Use non-sparking tools, secure against electrostatic charge.

6.2. Environmental precautions

Secure the leak area, catch the leaking mixture. Prevent from entering drains, soil, surface or ground water by creating catch lagoons. Vapors and mist can be precipitated by water jet. In case of leakage, monitor NPK concentrations resp. TLV and inform the appropriate state administration bodies and the administrator of the flow or sewerage system.

6.3. Methods and material for containment and cleaning up

Stop leak. In the event of a large spill, stop the spill and drain the mixture. In case of a small leak, cover with a suitable non-flammable sorbent (universal sorbent, sand, diatomaceous earth, soil, vermiculite, etc.), store the used sorbent in a closable waste container, mark and dispose of as hazardous waste. Wash contaminated area.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure adequate ventilation of the work area. Avoid formation of concentrations within the limits of explosion. Avoid contact with open flames and other sources of ignition and heat. Take precautionary measures against static discharges. Use non-sparking tools. Protect from direct sunlight. Protect eyes and skin, do not inhale spray mixture or fumes, use personal protective equipment according to sec. 8. Keep the work area clean and clear. The work area should be equipped with a source of drinking water. The mixture container must remain closed and secured against tipping over. Observe the applicable health and safety legislation. Follow the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash hands with warm soap and water before breaks, meals and after work.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed with the lid upwards in the original packaging in a dry, cool and well-ventilated place protected from the weather. Store away from heat, protect from direct sunlight, do not smoke. Store away from strong acids, bases and oxidizing agents. Store away from food, drink and animal feeding stuffs. The warehouse should be equipped with a source of drinking water to provide first aid and emergency pits. Follow the instructions on the label.

Content	Packaging type	Material of package
5 l	jerry can	FE

Storage temperature min 0 °C, max 15 °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
Solvent naphtha (petroleum), light arom. (CAS: 64742-95-6)	PEL	200 mg/m ³	
	NPK-P	1000 mg/m ³	
Distillates (petroleum), hydrotreated middle (CAS: 64742-46-7)	PEL	400 mg/m ³	
	NPK-P	1000 mg/m ³	

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Czech Republic
Government Regulation 330/2023 Coll.

Substance name (component)	Type	Value	Note
ethylbenzene (CAS: 100-41-4)	PEL	200 mg/m ³	skin penetration is significantly involved during exposure, in the substance can not be excluded serious late effects
	PEL	45,33 ppm	
	NPK-P	500 mg/m ³	
	NPK-P	113,32 ppm	
xylene (CAS: 1330-20-7)	PEL	200 mg/m ³	skin penetration is significantly involved during exposure, irritating to mucous membranes (eyes, respiratory system) and skin
	PEL	45,33 ppm	
	NPK-P	400 mg/m ³	
	NPK-P	90,66 ppm	
1,3,5-trimethylbenzen (CAS: 108-67-8)	PEL	100 mg/m ³	irritating to mucous membranes (eyes, respiratory system) and skin
	PEL	20 ppm	
	NPK-P	250 mg/m ³	
	NPK-P	50 ppm	
	PEL	100 mg/m ³	
	NPK-P	250 mg/m ³	

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Czech Republic

Government Regulation 41/2020 Coll.

Substance name (component)	Type	Value	Note
graphite (CAS: 7782-42-5)	PELr (Fr ≤ 5%)	2,0 mg/m ³	
	PELr (Fr > 5%)	10 mg/m ³	
	PELc	10 mg/m ³	
xylene (CAS: 1330-20-7)	PEL	200 mg/m ³	substance is significantly absorbed through the skin during the exposure, irritating to mucous membranes (eyes, respiratory system) and skin
	NPK-P	400 mg/m ³	

Czech Republic

Government Regulation 9/2013 Coll.

Substance name (component)	Type	Value	Note
Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)	PEL	400 mg/m ³	
	NPK-P	1000 mg/m ³	

European Union

Commission Directive 2000/39/EC

Substance name (component)	Type	Value	Note
ethylbenzene (CAS: 100-41-4)	OEL 8 hours	442 mg/m ³	Skin
	OEL 8 hours	100 ppm	
	OEL 15 minutes	884 mg/m ³	
	OEL 15 minutes	200 ppm	
xylene (CAS: 1330-20-7)	OEL 8 hours	221 mg/m ³	Skin
	OEL 8 hours	50 ppm	
	OEL 15 minutes	442 mg/m ³	
	OEL 15 minutes	100 ppm	
1,3,5-trimethylbenzen (CAS: 108-67-8)	OEL 8 hours	100 mg/m ³	
	OEL 8 hours	20 ppm	

Biological limit values

Czech Republic

Decree No. 107/2017 Coll.

Name	Parameter	Value	Tested material	Time of sampling
ethylbenzene (CAS: 100-41-4)	Mandelic acid	1500 mg/g of creatinine	Urine	End of shift
		1100 µmol/mmol creatinine		

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xylene (CAS: 1330-20-7)	Methylhippuric acids	1400 mg/g of creatinine	Urine	End of shift
		820 µmol/mmol creatinine		
		1400 mg/g of creatinine		
		820 µmol/mmol creatinine		

Other information of limit values

Ethylbenzene (end of shift) - 1,500 mg / g creatinine (mandelic acid indicator)

Xylene (end of shift) - 1,400 mg / g creatinine (methylhippuric acid indicator)

8.2. Exposure controls

Ensure adequate ventilation, or workspace extraction. In case of exceeding the NPK-P, use suitable respiratory protection. Avoid contact with skin and eyes, do not inhale spray mixture or fumes. Avoid exposure. Observe hygienic measures for work with chemicals. The work area should be equipped with a source of drinking water. Do not eat, drink or smoke while working. Wash hands with lukewarm soap and water before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

Eye/face protection

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

Skin protection

Protective work antistatic clothing made of natural fibers or fibers resistant to elevated temperatures. Wash affected skin, take off contaminated clothing, wash before reuse. Protective gloves (eg: nitrile, fluororubber, etc.; breakthrough time > 481 min. Observe the recommended breakthrough time with glove material.) When selecting, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Before first use, test at a specific workplace. Replace damaged gloves.

Respiratory protection

In case of insufficient ventilation or prolonged exposure, use a mask with a filter against organic vapors and aerosols, type A. In case of exceeding the limits or under heavy load, use self-contained breathing apparatus.

Thermal hazard

There is a risk of rupture of the container when exposed to elevated temperatures.

Environmental exposure controls

Observe the usual environmental precautions. Avoid leakage into sewers, underground and surface water and soil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	grey
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	Flammable II. hazard class
Lower and upper explosion limit	
bottom	0.8 %
upper	8 %
Flash point	>43 °C
Auto-ignition temperature	>230 °C
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	Slightly soluble
Partition coefficient n-octanol/water (log value)	0.75
Vapour pressure	3 hPa at 20 °C
Density and/or relative density	data not available

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Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Density: 880 kg /m³/ 20 ° C
 Viscosity: 0.79 mm² /s/ 20 ° C
 VOC content: <95%

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is flammable. There is no risk of dangerous reactions if the recommended use is observed.

10.2. Chemical stability

The mixture is stable under normal environmental, storage and handling conditions. The mixture is volatile, it evaporates at normal pressure and temperature.

10.3. Possibility of hazardous reactions

Contact with strong acids or oxidizing agents may cause a dangerous exothermic reaction. Solvent vapors are heavier than air, accumulate in lower positions, and may form explosive mixtures with air.

10.4. Conditions to avoid

Formation of explosive concentrations, temperature rise, contact with open flames or possible sources of ignition, contact with incompatible materials.

10.5. Incompatible materials

Strong acids and bases, oxidizing agents. The mixture can damage some plastics and plastics.

10.6. Hazardous decomposition products

Under normal conditions, the mixture is not decomposed. Incomplete combustion or thermal decomposition produces toxic products of combustion (CO_x, NO_x, hydrocarbons, etc.).

SECTION 11: Toxicological information

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

not available

Acute toxicity

The mixture is not classified as acutely toxic by any way of exposure.

Distillates (petroleum), hydrotreated middle					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>5000 mg/kg		Rat	
Dermal	LD ₅₀	>2000 mg/kg		Rabbit	
Inhalation	LC ₅₀	4.6 mg/l	4 hours	Rat	

ethylbenzene					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	3500 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD ₅₀	17.8 ml/kg		Rabbit	
Inhalation	RD ₅₀	6.2 mg/l	4 hours	Mouse	

Naphtha (petroleum), hydrotreated heavy					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>5000 mg/kg		Rat	
Inhalation	LC ₅₀	> mg/l	6 hours	Rat	
Dermal	LD ₅₀	>3160 mg/kg		Rabbit	

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Solvent naphtha (petroleum), light arom.					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>5000 mg/kg		Rat	
Dermal	LD ₅₀	>2000 mg/kg		Rabbit	
Inhalation	LC ₅₀	>7630 mg/m ³	4 hours	Rat	

xylene					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	3523-8700 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD ₅₀	1134 mg/kg		Rabbit	
Inhalation	LC ₅₀	5000-6350 ppm	4 hours	Rat (Rattus norvegicus)	

Skin corrosion/irritation

The mixture is classified as irritating to skin, category 2. It irritates the skin.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on 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

The mixture is classified as toxic to specific target organs after a single exposure, category 3. May cause drowsiness, dizziness, the mixture has narcotic effects.

Toxicity for specific target organ - repeated exposure

The mixture is classified as toxic to specific target organs after repeated exposure, category 2. May cause damage to hearing organs through prolonged or repeated exposure.

Aspiration hazard

Mixture is classified as toxic by inhalation, category 1.

11.2. Information on other hazards

Inhalation of vapors may cause headache, fatigue, drowsiness, malaise to narcotic conditions, or irritation of mucous membranes and respiratory tract with cough. Prolonged or repeated exposure by inhalation may cause damage to the auditory organs. Ingress of fluid into the respiratory tract when swallowed or aspiration of vomit with subsequent vomiting may cause bronchopneumonia or pulmonary edema. Irritating to skin (burning, itching, drying). Prolonged or repeated skin contact may cause skin dryness or cracking to dermatitis. Abdominal pain and nausea may occur if the liquid is ingested.

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SECTION 12: Ecological information

12.1. Toxicity

The ecotoxic effects of the mixture were not assessed. Avoid leakage into sewers and underground or surface water.

Acute toxicity

Distillates (petroleum), hydrotreated middle				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	54 mg/l	96 hours	Fish (Jordanelia floridiae)	
LC ₅₀	31 mg/l	8 days	Fish (Pimephales promelas)	
NOEC	46 mg/l	48 hours	Invertebrates (Daphnia magna)	

ethylbenzene				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	12.1 mg/l	96 hours	Fish (Pimephales promelas)	
LC ₅₀	32 mg/l	96 hours	Fish (Lepomis macrochirus)	
LC ₅₀	9.6 mg/l	96 hours	Fish (Poecilia reticulata)	
EC ₅₀	77 mg/l	24 hours	Invertebrates (Daphnia magna)	

Naphtha (petroleum), hydrotreated heavy				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	2200 mg/l	96 hours	Fish (Pimephales promelas)	
LC ₅₀	4.3 mg/l	96 hours	Invertebrates (Crangon crangon)	

Solvent naphtha (petroleum), light arom.				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	320-435 mg/l	48 hours	Fish (Leuciscus idus)	
LC ₅₀	9.22 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC ₅₀	170 mg/l	24 hours	Invertebrates (Daphnia magna)	

xylene				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	86-308 mg/l	48 hours	Fish (Leuciscus idus)	
LC ₅₀	26.7 mg/l	96 hours	Fish (Poecilia reticulata)	
EC ₅₀	600 µg/l	48 hours	Invertebrates (Gammarus pulex)	

12.2. Persistence and degradability

The mixture is biodegradable.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

12.4. Mobility in soil

Data not available.

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12.5. Results of PBT and vPvB assessment

Has not been done.

12.6. Endocrine disrupting properties

not available

12.7. Other adverse effects

The mixture is dangerous for the environment, even small amounts can contaminate drinking water sources. Do not allow to enter soil, ground or surface water or drains. Observe the usual environmental precautions.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of as hazardous waste, hand over for disposal to an authorized person (disposal eg in a hazardous waste incinerator). Dispose of mixture and packaging residues in accordance with local regulations for waste disposal. Dispose of contaminated packaging as hazardous waste according to local regulations. Uncontaminated packaging can be recycled.

Waste management legislation

Waste Act No. 185/2001 Coll. as amended. Act No. 477/2001 Coll., On packaging, as amended.

Waste type code

14 06 03* other solvents and solvent mixtures

Packaging waste type code

15 01 10* packaging containing residues of or contaminated by hazardous substances

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 3295

14.2. UN proper shipping name

HYDROCARBONS, LIQUID, N.O.S.

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

III

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.

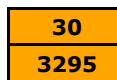
14.7. Maritime transport in bulk according to IMO instruments

Can not be used.

Additional information

Always carry closed containers in upright position. Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

Hazard identification No.



UN number

F1

Classification code

3+hazardous for the environment

Safety signs



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Road transport - ADR

Limited quantities	5 L
Excepted quantities	E1

Packaging

Packing instructions	P001, IBC03, LP01, R001
Mixed packing provisions	MP19

Portable tanks and bulk containers

Guidelines	T4
Special provisions	TP1, TP29

ADR tank

Tank code	LGBF
Vehicles for tank carriage	FL
Transport category	3
Tunnel restriction code	(D/E)

Special provision for

packages	V12
operation	S2

Railway transport - RID

Excepted quantities	E1
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Packaging

Packing instructions	P001, IBC03, LP01, R001
Mixed packing provisions	MP19

Portable tanks and bulk containers

Guidelines	T4
Special provisions	TP1, TP29

RID Tanks

Tank code	LGBF
Transport category	0

Special provision for

packages	W12
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Marine transport - IMDG

EmS (emergency plan)	F-C, S-V
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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. Regulation (EC) No. 1907/2006 of the European 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. 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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Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

Solvent naphtha (petroleum), light arom., Distillates (petroleum), hydrotreated middle, Naphtha (petroleum), hydrotreated heavy

Restriction	Conditions of restriction
28	<p>Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:</p> <p>1. Shall not be placed on the market, or used,</p> <ul style="list-style-type: none"> – as substances, – as constituents of other substances, or, – in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: <ul style="list-style-type: none"> – either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, – the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008. <p>Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p>“Restricted to professional users”.</p> <p>2. By way of derogation, paragraph 1 shall not apply to:</p> <ul style="list-style-type: none"> (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/EEC; (c) the following fuels and oil products: <ul style="list-style-type: none"> – motor fuels which are covered by Directive 98/70/EC, – mineral oil products intended for use as fuel in mobile or fixed combustion plants, – fuels sold in closed systems (e.g. liquid gas bottles); (d) artists’ paints covered by Regulation (EC) No 1272/2008; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date. (f) devices covered by Regulation (EU) 2017/745.

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) .

REZOJED litráž

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Solvent naphtha (petroleum), light arom., Naphtha (petroleum), hydrotreated heavy

Restriction	Conditions of restriction
29	<p>Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:</p> <p>1. Shall not be placed on the market, or used,</p> <ul style="list-style-type: none"> – as substances, – as constituents of other substances, or, – in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: <ul style="list-style-type: none"> – either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, – the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008. <p>Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p>“Restricted to professional users”.</p> <p>2. By way of derogation, paragraph 1 shall not apply to:</p> <ul style="list-style-type: none"> (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/EEC; (c) the following fuels and oil products: <ul style="list-style-type: none"> – motor fuels which are covered by Directive 98/70/EC, – mineral oil products intended for use as fuel in mobile or fixed combustion plants, – fuels sold in closed systems (e.g. liquid gas bottles); (d) artists’ paints covered by Regulation (EC) No 1272/2008; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date. (f) devices covered by Regulation (EU) 2017/745.

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H312+H332	Harmful in contact with skin or if inhaled.

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.
P261	Avoid breathing vapours.

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P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to in accordance with local regulations.

Other important information about human health protection

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the supplier can not control the specific conditions of use of the mixture, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log K _{ow}	Octanol-water partition coefficient
NOEC	No observed effect concentration
NPK	Maximum admissible concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative



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Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
Carc.	Carcinogenicity
Flam. Liq.	Flammable liquid
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
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. Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the specific conditions of use of the substance are beyond the control of the supplier, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

Information about data sources used to compile the Safety Data Sheet

Manufacturer data and toxicological databases.

The changes (which information has been added, deleted or modified)

Updating of safety data sheet according to valid legislation, in compliance with Commission Regulation (EU) No. 2015/830, modification of H and P sentences according to the current version of Regulation 1272/2008.

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.