

SAFETY DATA SHEET

Developed: 09.09.2024

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Version: 1.0

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SECTION 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product Identifier

Trade name: KLEJ MR KRAKEN PVC 2 SKL 100 ml, KLEJ MR KRAKEN PVC 2 SKL 250 ml

UFI: 8W40-T061-P00X-H5PW

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

1.2.1. Identified uses: Adhesive.

1.2.2. Uses advised against: None.

1.3. Details of the supplier of the safety data sheet

PROSCAN Wojciech Cieślak, ul. Pontonierów 7, 00-910 Warszawa
tel.: 22 812 41 41

E-mail address of person responsible for Safety Data Sheet: mb@proscan-antenna.com

1.4. Emergency telephone number

Emergency Telephone: 998 or 112.

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the mixture

Classification according to Regulation (EC) No 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP)

Health hazards

Skin irritation, cat. 2, H315

Exposure by aspiration, cat. 1, H304

Eye irritation, cat. 2, H319

Toxic effects on target organs - single exposure STOT, single exposure, cat. 3, H336

Hazardous properties

Highly flammable substance and vapor, cat. 2, H225

Environmental hazards

Harmful to aquatic life with long lasting effects, cat. 2, H410

2.2. Labelling



Warning: **Danger**

Determination of the type of risk:

H225 – Highly flammable liquid and vapour.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

H336 – May cause drowsiness or dizziness.

H410 – Very toxic to aquatic life with long lasting effects.

Precautionary statements - proper handling:

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 – Avoid breathing vapours/spray.

P280 – Wear protective gloves/protective clothing/eye protection/face 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.

P405 – Store locked up.

P501 – Dispose of contents/container in accordance with local regulations.

Contains: acetone, cyclohexane.

2.3. Other hazards

Mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII.

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures:

Characteristics of the mixture

Polyurethane adhesive in a mixture of organic solvents with the addition of modifying agents.

Hazardous ingredients

Name of the substance	Concentration [%]	Number			Classification
		Registration	CAS	WE	
Acetone	50 – 70	01-2119471330-49-XXXX	67-64-1	200-662-2	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
Cyclohexane	8 – 18	01-2119463273-41-0016	110-82-7	203-806-2	Flam Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Acute 1 H400, Aquatic Chronic 1 H410

SECTION 4. FIREFIGHTING MEASURES

4.1. Description of first aid measures

Exposure by inhalation: Bring out of the exposure area. Provide peace of mind. Provide fresh air. Seek medical attention.

Exposure by skin contact: Take off drenched clothes. Wash affected areas with plenty of running water and soap. In case of irritation, seek medical attention.

Exposure by eye contact: Flush with large amounts of water lifting upper and lower lids for at least 15 minutes. Consult eye doctor.

Ingestion: Do not induce vomiting. Do not drink milk, fats or alcohol. Provide oxygen in case of breathlessness. Seek medical attention.

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

Effects on humans:

Skin contact: Irritating to skin. Repeated exposure may cause skin dryness or cracking.

Contact with eyes: High concentrations of vapor or splash into the eye may cause eye irritation of mucous membranes (burning, redness, tearing).

In case of inhalation: Inhaling fumes may irritate the mucous membranes of the respiratory system, headache, nausea, vomiting and other adverse symptoms.

4.3. Indication of any immediate medical attention and special treatment needed: Proceeding: Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Extinguishing powders, carbon dioxide, foams resistant to alcohol, water fog.

Unsuitable extinguishing media: Direct water stream (compact water jet directed under high pressure).

5.2. Special hazards arising from the substance or mixture

During combustion, there may be produced: toxic fumes, carbon monoxide, carbon dioxide, and polymer degradation products.

5.3. Advice for firefighters

Risk of explosion. Petrol vapors heavier than air. Cool containers / tanks with water spray. Prevent contaminated extinguishing water from draining. There is a risk of explosion. Do not stay in the fire risk zone without adequate clothing, resistant to chemicals. Wear breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition - extinguish flames, announce ban of smoking and use of sparking tools, secure containers from heat (risk of explosion). Avoid direct contact with the released substance. Restrict access outsiders to the area of failure.

Wear protective equipment to prevent contamination of skin, eyes and clothing.

6.2. Measures for environmental protection

Prevent entry into the subsoil / soil. Prevent entry into drains, groundwater or surface water. In case of enter inform the authorities.

6.3. Methods and materials for containment and cleaning up

For large spills place where the liquid accumulates dike and collect. Small spills sprinkle binding material (sand, diatomaceous earth, sawdust, general-purpose binder), put in a closed container and pass for recycling. Dispose of in accordance with local regulations. Dispose of contaminated material according to item 13.

6.4. Reference to other sections

If appropriate, the references to Sections 8 and 13.

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SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid breathing vapors. When using do not eat, drink, avoid contact with the product. Keep away from sources of ignition. Do not smoke. Necessary local exhaust ventilation to remove vapors from the places of emission and the general room ventilation. Ventilation systems must be as prescribed because of the risk fire or explosion. Keep away from sources of ignition. Protect against static electricity discharge.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers. Store in a cool, dry, well ventilated place, away from the substance to be avoided. Do not expose to air. Type of storage: storage of flammable liquids - fireproof, with ventilation, lighting installation proof, carpeted floor electro-conductive. Storage temperature from +10°C to +30°C.

7.3. Specific end uses: None.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limits TLV (legal basis - Section 15)

Chemical name	NDS(mg/m ³)	NDSCH(mg/m ³)	NDSP(mg/m ³)
Acetone	600	1800	-
Cyclohexane	300	1000	-

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Necessary local exhaust ventilation as well as general ventilation of rooms. Use non-sparking tools. See also Section 7.

8.2.2. Individual protection measures, such as personal protective equipment

Eye and face protection

Wear tight protective goggles, face shield.

Skin protection

Wear protective clothing, safety shoes.

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer.

Respiratory protection

In case of insufficient ventilation use respirator with dust filter A.

Thermal hazards

When working with a hot product: use protective gloves, protective clothing, protective glasses, protective masks.

8.2.3. Environmental exposure controls

Shouldn't be allowed to reach large quantities of ground water, sewage, waste water.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	liquid
Color	transparent or light yellow
Odor	proper to type
Melting point/freezing point	-94,7°C (acetone)
Boiling point or initial boiling point and boiling range	56°C (acetone); 80,7°C (cykloheksan)
Flammability	data not available
Lower and upper explosion limit	2,5/14,3 (acetone); 1,2/8,3 (cykloheksan)
Flash point	-17°C (acetone); -20°C (cykloheksan)
Auto-ignition temperature	465°C (acetone); 260°C (cykloheksan)
Decomposition temperature	data not available
pH	data not available
Viscosity	approx. 2500 mPa·s
Solubility	insoluble in water
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	approx. 0.85 g/cm ³
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other Information

The minimum ignition energy [mJ] no data

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SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical stability: Stable product, no thermal decomposition occurs under normal operating conditions.

10.3. Possibility of hazardous reactions: No data available.

10.4. Conditions to avoid: keep away from sources of ignition, heat and direct sunlight.

10.5. Incompatible materials: strong oxidants.

10.6. Hazardous decomposition products: No decomposition occurs, provided storage and handling are correct.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicity components

CYCLOHEXANE LD50: >5000 mg/kg (szczur, doustnie),
LC50 (4h): >32880 mg/dm³ (szczur, inhalacyjnie),
LD50: > 2000 mg/kg wagi ciała (królik, skóra).

ACETONE LD50 5800 mg/kg (szczur, doustnie)
LC50 76 mg/l/4h (szczur, inhalacja)
LD50 7400 mg/kg (królik, świnka morska, skóra)

Skin corrosion/irritation

Irritating to skin. Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

High concentrations of vapor or splash into the eye may cause eye irritation of mucous membranes (burning, redness, tearing).

Respiratory or skin sensitisation

Inhaling fumes may irritate the mucous membranes of the respiratory system, headache, nausea, vomiting and other adverse symptoms.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

No data available.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Endocrine disrupting properties: The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Other information: No data available.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

In accordance with current regulations the product is classified as dangerous for the environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CYCLOHEXANE

Ryby słodkowodne: LC50 = 4,53 mg/dm³

Bezkęgowce słodkowodne: EC50/LC50 = 0,9 mg/dm³

Toksyczność przewlekła:

Bezkęgowce słodkowodne: EC50/LC50 = 4,425 mg/dm³

ACETONE

Toksyczność ostra dla bezkręgowców słodkowodnych: LC50 8800 mg/l/48h (Daphnia pulex)

Toksyczność ostra dla bezkręgowców słonowodnych: LC50 2100 mg/l/24h (Artemia salina)

Toksyczność przewlekła dla bezkręgowców: NOEC 2212 mg/l/28 dni (Daphnia magna)

Toksyczność ostra dla glonów słodkowodnych: LOEC 530 mg/l/8 dni (Microcystis aeruginosa)

Toksyczność ostra dla glonów słonowodnych: NOEC 430 mg/l/96h (Prorocentrum minimum)

Toksyczność ostra dla ryb słodkowodnych: LC50 5540 mg/l/96h (Oncorhynchus mykiss)

Toksyczność ostra dla ryb słonowodnych: LC50 11000 mg/l/96h (Alburnus alburnus)

Środowisko lądowe: Toksyczność na dżdżownicach: LC50 100-1000 µ/cm²/48h

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12.2. Persistence and degradability: The product is insoluble in water. It is lighter than water and tends to collect at the surface. Organic solvents from the formulation are dissolved in water in limited quantities and are harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

12.3. Bioaccumulative potential: Not determined.

12.4. Mobility in soil: Not determined.

12.5. Results of PBT and vPvB assessment: Does not meet the criteria for PBT and vPvB.

12.6. Endocrine disrupting properties: The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects: Not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Comply with the provisions of the Act of 14 December 2012 on waste (OJ from 2018, item 992 with amendments).

Comply with the provisions of the Act of 13 June 2013 on packaging and packaging waste (OJ from 2018, item 150 with amendments).

Regulation of the Minister of Environment of 9 December 2014 on waste catalogue (OJ from 29.XII.2014, item 1923).

Do not dispose of with household waste. Do not let the sewage system. Recommendations for disposal: Product sprinkle with absorbent material (eg sawdust, sand, diatomaceous earth) and collect. Burn in chemical oven. The proper classification of waste is user at source due to the variety applications.

Contaminated packaging clean of residues. If possible, return for circulation. If not, pack dry thoroughly. After drying ventilate away from sources of ignition. Residues may cause an explosion hazard. Do not puncture, cut or weld containers not cleaned.

Provide an authorized company for recovery or disposal.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number or ID number	1133
14.2. UN proper shipping name	ADHESIVES
14.3. Transport hazard class(es)	3
14.4. Packing group	II
14.5. Environmental hazards	product is harmful to the environment in accordance with the criteria in the UN Model Regulations
14.6. Special precautions for user	no data
14.7. Maritime transport in bulk according to IMO instruments	not relevant

SECTION 15. REGULATORY INFORMATION

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

15.1.1. The act of 19.VIII.2011 on the transport of hazardous goods (OJ of 2022, item 2147).

15.1.2. Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.1.3. Commission regulation (EU) No 453/2010 of 20.V.2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.1.4. The Act of 25 February 2011 on chemical substances and their mixtures (OJ of 2020, item 2289).

15.1.5. Regulation of the Minister of Health of 10 August 2012 concerning the criteria and classification of chemical substances and their mixtures (OJ of 12.II.2015, item 208)

15.1.6. Regulation (EC) No 1272/2008 of the European parliament and the Council of 16 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 (Official Journal L 353, 31/12/2008 with amendments).

15.1.7. Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the maximum concentration and intensity of harmful factors in the work environment (OJ item 1286 with amendments).

15.1.8. Regulation of the Minister of Health on 2 February 2011 on the tests and measurements of harmful factors in work environment (OJ No. 33, item. 166, 2011).

15.1.9. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

Chemical safety assessment has not been carried out for the mixture.

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SECTION 16. OTHER INFORMATION

Indication of changes

Adjusting the card in terms of the requirements of Commission Regulation (EU) 2020/878 of June 18, 2020. amending Annex II to Regulation (EC) 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals.

Key to abbreviations and acronyms used in the safety data sheet

Not available.

Key literature references and sources for data

Legislation cited in sections 2 - 15 of the safety data sheet.

Znaczenie zwrotów H podanych w sekcji 3:

All phrases are described in the section 3.

Training guidelines

Employees using the product should be trained in the field of health risks, hygiene requirements, use of personal protective equipment, actions to prevent accidents, rescue procedures, etc. The Charter was developed on the basis of data provided by the manufacturers of the product components, national regulations in force at the time of drawing up the Charter and the possessed knowledge. The information contained in the Charter should be treated only as an aid for safe use as well as handling, transport, distribution and storage. The card is not a certificate of product quality. The information contained in the Charter applies only to the mentioned product and cannot be transferred to similar products. The author is not responsible for the misuse of the information contained in the Charter.