

PRODUCT FOR REMOVING LACQUER COATINGS IN GEL PAINT REMOVER

SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION

1.1. Product identification

PRODUCT FOR REMOVING LACQUER COATINGS IN GEL PAINT REMOVER

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

Product designed for removing old paint and lacquer coatings.

1.3. Data of the safety data sheet supplier

Przedsiębiorstwo RANAL Sp. z o.o.

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1.4. Emergency telephone

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 of December 16 2008 on Classification, Labeling and Packaging (CLP)

General hazards:

Dangerous properties: Flammable liquid, cat. 2., H225.

Health hazards:

Eye irritation, cat. 2., H319.

Carcinogenicity, cat. 2., H351.

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

Environmental hazards:

Not applicable.

2.2. Label elements

Hazard pictograms:



Warning word: **Danger**.

Contains:

Dichloromethane.

Acetone.

Risk index:

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
EUH066 Repeated exposure may cause skin dryness or cracking.

Safety index:

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P301+P311 IF SWALLOWED: Immediately call a POISON CENTER/doctor/.
P201 Obtain special instructions before use.
P281 Use required personal protection measures.
P405 Store locked up.

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2.3. Other hazards

EUH066 Repeated exposure may cause skin dryness or cracking.

The substance does not meet the criteria of PTB or vPvB according to Annex XIII.
If dangerous components are listed, full text of H phrases is provided in section 16 f the Sheet.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Dangerous components	% weight	CAS No	EC No	Index No	H Phrases
Dichloromethane	60-70	75-09-2	200-838-9	602-004-00-3	H351
Acetone	8-10	67-64-1	200-662-2	606-001-00-8	H225, H319, H336
Isopropanol	8-10	67-63-0	200-661-7	603-117-00-0	H225, H319, H336

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Ways of exposure: airways, alimentary tract, contact with skin, contact with eyes.

After inhalation:

Place the injured person in a lying position, if necessary - perform artificial respiration and provide medical assistance.

After ingestion:

Immediately after swallowing give a conscious person 200 ml of liquid paraffin to drink. Do not induce vomiting. Do not give milk, fat or alcohol. In the case of spontaneous vomiting, do not allow the product contained in the vomit to penetrate into the airways. Immediately ensure medical help.

Contact with skin:

Immediately take off contaminated clothes, wash thoroughly contaminated skin with water and soap, and rinse with water. If symptoms persist consult a doctor.

Contact with eyes:

Rinse contaminated eyes, eyelids wide open, with continuous stream of water for about 15 minutes. If symptoms of irritation persist, consult an ophthalmologist.

4.2. Most important symptoms both acute and delayed

Narcotic effect may occur.

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

Do not administer anything by mouth to an unconscious person and do not induce vomiting. Show the material safety data sheet, labels or packaging to the medical personnel providing assistance.

Indications to a doctor: symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Proper extinguishing media: carbon dioxide, extinguishing powders, foam, water spray.

Improper extinguishing media: strong jets of water.

Fire extinguishing:

Extinguish small fires with powder or snow extinguisher; extinguish large fires with foam or sprayed water; use remote sprinkler devices or fight fire from behind protective shields - the threat of explosion. Tanks exposed to fire or high temperature should be cooled with water from a safe distance (risk of explosion); if possible, remove them from the endangered area.

Do not allow extinguishing sewage to enter the sewage system and water.

5.2. Special hazards arising from the substance or mixture

In fire environment carbon monoxides are generated. Avoid breathing combustion products, they may pose a health risk.

5.3. Advice for firefighters

Persons taking part in fire extinguishing should be adequately trained and equipped with protective clothes and self-contained breathing apparatus.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

General recommendations:

Inform the neighbourhood about the accident; remove from endangered area all the persons not taking part in the liquidation of the effects of the accident. Order evacuation if necessary; call rescue teams and fire-fighters.

6.1. Personal precautions, protective equipment and emergency measures

Remove ignition sources – extinguish open flames, do not smoke or use sparking tools, protect tanks from heating (explosion threat). Dilute vapours with water spray. Avoid direct contact with released product. Avoid breathing vapours. Use protective clothes and equipment – see section 8 of the sheet.

6.2. Environmental precautions

Prevent the leakage of the product into sumps, water or soil.
In case of contamination of water inform proper authorities.

6.3. Methods and materials for containment and cleaning up

Place damaged container in an emergency container. Limit the spread of the pool by embankment; pump out large amounts of collected liquid. Small amounts of spilled liquid should be covered with incombustible absorbent material (earth, sand vermiculite), collect into a closed waste container. Dispose according to applicable regulations.

6.4. Reference to other sections.

Personal protection measures– see section 8 of the Material Safety Data Sheet.
Disposal considerations – see section 13 of the Material Safety Data Sheet.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

When using and storing the product, follow generally applicable health and safety regulations.

7.1. Precautions for safe handling

Poisoning prevention: avoid contact with the liquid; avoid breathing vapours and aerosols; prevent formation of harmful vapours concentration in the air; work in well ventilated rooms. Follow the rules of personal hygiene when using the product and wear protective clothes according to information provided in section 8 of the sheet.

Fire and explosion prevention: prevent formation of flammable/ explosive concentrations of vapours in the air; eliminate ignition sources – do not use open flames, do not smoke, do not use sparking tools and clothes made of fabrics susceptible to electrification; protect the tanks from heating, install suitably designed electrical devices, apply bridging and grounding.

7.2. Conditions for safe storage, including any incompatibilities

Store only in certified, properly labelled and closed containers, in flammable liquids storeroom equipped with ventilation and electrical systems made depending on the result of the explosion risk assessment. Protect the containers from heating. Obey the smoking ban, do not use open flames and sparking tools in the storeroom.

ATTENTION: Empty containers may contain flammable vapours that pose the risk of explosion.

7.3. Special end uses

No data available.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

Recommendations concerning technical measures:

Ensure sufficient ventilation in the work place.

8.1. Control parameters

There are no air polluting substances if used as intended.

Substance name	CAS No	MPC [mg/m ³]	MPIC [mg/m ³]
Dichloromethane	75-09-2	88	Not determined
Acetone	67-64-1	600	1800
Isopropanol	67-63-0	20	1200

DNEL values for the main component:

DNEL worker (inhalation, acute toxicity)	no data
DNEL worker (inhalation chronic toxicity)	no data
DNEL consumer (inhalation, acute toxicity)	no data
DNEL consumer (inhalation, chronic toxicity)	no data

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8.2. Exposure control

Airways: depending on the conditions use certified respirator with A type filter or with an independent air supply.
Hands: coated protective gloves (for example neoprene gloves).
Eyes: tight protective glasses.
Skin: apron or coated protective clothes.

Hygiene related recommendations:

Avoid exposure to vapours and direct contact with the liquid. Follow basic rules of hygiene: do not eat, drink or smoke in the workplace, each time at the end of work wash hands with water and soap, avoid contamination of clothes, and if occurs, immediately take of contaminated clothes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Parameter	Value
Appearance	liquid
Colour	yellow
Odour	characteristic
Melting point/range	-
Boiling point /range (°C)	60÷90
Flash point (°C)	7
Autoignition point (°C)	530
Explosion limits	-
Bottom [% obj.]	3
Top [% obj.]	14
Vapour pressure (20°C) [hPa]	62
Density (20°C) [g/cm ³]	1,1
Vapour density with regard to air	3
Solubility in water (20°C)	about. 20 (forms a flocculated emulsion)

* The amount of solvent that goes into the aqueous phase used in a 10-fold excess.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The substance is not reactive.

10.2. Chemical stability

The product is stabile in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to be avoided

Ignition sources, heat.

10.5. Incompatible materials

Strong oxidants.
softens or dissolves some plastics.

10.6. Hazardous decomposition products

Carbon monoxides are generated as a result of fire.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Effects of acute exposure:

The product has not been examined. The following data relates to the main component of the mixture.

a) Acute toxicity

Dichloromethane

Acute toxicity – alimentary tract:	LD50	2 mg/kg	(rat)
Acute toxicity – through airways:	LC50	>14 mg/m ³ /8h	(rat)
Acute toxicity – after application on skin:	LD50	>10 mg/kg	(rabbit, Guinea pig)

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b) Caustic/irritating effect on skin

Repeated exposure may cause skin dryness, flaking or cracking.

c) Serious eye damage / eye irritation

The product may cause mild short-term eye irritation. Splattering the liquid into the eye causes irritation with a feeling of stinging, tearing, redness and pain.

d) Allergic effect on respiratory system or skin

Respiratory irritation:

May irritate respiratory system. The effects are reversible.

e) Mutagenic effect on germ cells

Not found.

f) Carcinogenicity

Limited evidence of carcinogenic effect

g) Harmful effect on reproduction

No data available.

h) Toxic effect on target organs – single exposure

No data available.

i) Toxic effect on target organs – repeated exposure

No data available.

j) Aspiration hazard

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic concentrations for aquatic organisms:

Limit toxic concentration for:

- fish	<i>Salmo trutta</i>	2,0 g/l
- bacteria	<i>Pseudomonas putida</i>	1,7g/l
- algae	<i>Scenedesmus quadricauda</i>	7,5 g/l
- protozoa	<i>Entosiphon sulcatum</i>	0,028 g/l
- plankton	<i>Vorticella campanulla</i>	1,0 g/l

Acute toxicity for:

- fish	<i>Gambusia affinis</i> (LC50/48h)	15,5 g/l
- crustacea	<i>Daphnia magna</i> (EC50/28h)	10,0 g/l

Permissible environmental pollution:

Observe the norms regarding permissible environmental pollution specified in the applicable regulations.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Mixes completely with water.

12.5. Results of PBT and vPvB assesment

No data available.

12.6. Other hazardous effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste classification:

Suitable for the place of manufacture based on the criteria contained in the applicable regulations.

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Handling the product:

Do not dispose into sewage system. Prevent contamination of surface and ground water. Do not dispose together with communal waste. Consider possibility of re-use. Recover or dispose of the waste product according to applicable regulations.

Recommended disposal method:

Combustion.

Container disposal:

Recovery (recycling) or disposal of packaging waste should be carried out in accordance with applicable regulations.

Reusable packaging can be re-used after cleaning.

Waste code: 07 01 04*

Other organic solvents, washing liquids and mother liquors.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

UN 1263

14.2. Proper shipping name

PAINT RELATED MATERIAL

14.3. Class / Classification code

3 / F1

14.4. Packaging group

II

Package labelling

UN symbol 1263, warning label no 3

Hazard identification number

33

14.5. Environmental hazard

Not applicable.

14.6. Special precautions for users

Not applicable.

14.7.

Transport in bulk according to Annex II of MARPOL 73/78 Convention and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations / legislations specific for the substance or mixture**

- Commission Regulation (EC) No 1277/2005 of July 27 2005. laying down implementing provisions for Regulation (EC) No 273/2004 of the European Parliament and of the Council on drug precursors and Council Regulation (EC) No 111/2005 laying down rules governing the supervision of trade in drug precursors between the Community and third countries.
- Commission Regulation (EC) No 111/2005 of December 22 2004 laying down rules governing the supervision of trade in drug precursors between the Community and third countries.
- Regulation (EC) No 273/2004 of the European Parliament and of the Council of February 11 2004. on drug precursors.
- Regulation (EC) No 1272/2008 of the European Parliament and of 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 of EU L 353 of December 31 2008).
- Commission Regulations (EC) No 790/2009 of August 10 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (Official Journal of the EU L no 235 of September 5 2009.).
- Commission Regulation (EU) No 286/2011 of March 10 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (Official Journal of the European Union L No 83 of March 30 2010.).
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a 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. Official Journal of EU L 136 of May 29 2007. Official Journal of EU L 304 of November 22 2007, Official Journal of EU L 268 of October 09 2008, Official Journal of EU L 46 of February 17 2009, Official Journal of EU L 164 of June 26 2009, Official Journal of EU L 133/1 of May 31 2010 with later amendments.

15.2. Chemical safety assessment

Not performed.

SECTION 16: OTHER INFORMATION

Full text of the phrases identifying the types of hazards and R phrases mentioned in sections 2-15:

- H226 Flammable liquid and vapours.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- EUH066 Repeated exposure may cause skin dryness or cracking.

Changes in the sheet compared to the previous version:

1.3, 5.2, 5.3, 6.1, 6.4, 8.2, 10.1, 10.2, 11.1, 12.1, 12.4, 14.1, 14.2, 14.3, 14.7, 15.2.

Editorial changes.

The information contained in the Safety Data Sheet applies only to the title product and cannot be transferred to similar products. The sheet has been developed on the basis of our best knowledge and collected up-to-date information. The data contained in the Card should be treated only as an aid for safe handling in transport, distribution, use and storage. The person using the product is obliged to comply with all applicable standards and regulations, and is also responsible for any improper use of the information contained in the Material Safety Data Sheet.

Sheet number: 061P9L2018V3