

## REMOVER SPRAY

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

#### 1.1. Product identification

Cleaning agent REMOVER SPRAY

UFI: SEC0-80RN-T005-TM83

#### 1.2. Relevant identified uses mixture and uses advised against

Relevant identified uses:

For professional cleaning of spray guns, spray booths, tools and application machines.

Uses advised against:

Do not use on surfaces other than those recommended.

#### 1.3 Data of the safety data sheet supplier

Przedsiębiorstwo RANAL Sp. z o.o.

Ul. Łódzka 3

42-240 Rudniki k. Częstochowy, PL

Tel.: +48 34 329 45 03

Fax: +48 34 320 12 16

Registration number 000029202

Person responsible for the safety data sheet: ranal@ranal.pl

#### 1.4. Emergency telephone

+48 34 329 45 03 (8.00 - 15.00)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to The EC Regulation 1272/2008 of 16 December 2008 on classification, labelling and packaging (CLP).

H223 Flammable aerosols, hazard category 2.

H315 Skin irritation, hazard category 2.

H319 Serious eye damage/eye irritation, hazard category 2.

H351 Carcinogenicity, hazard category 2.

#### 2.2. Label elements according to the regulation EC no 1272/2008 (CLP)

Hazard pictograms:



GHS02



GHS08

Signal word: **Warning.**

Risk index:

H223 Flammable aerosol.

H229 Pressurized container. May burst if heated.

H315 Causes skin irritation.

H319 Causes eye irritation.

Carc. 2: H351 Suspected of causing cancer.

Safety index:

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.

P410-412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Prevention:

P251 Do not pierce or burn even after use.

P501 Dispose of the contents in accordance with local/regional/national/international regulations.

Contains:

Dichloromethane and white spirit.

#### 2.3. Other hazards

The components of the mixture are not classified as vPvB or PBT according to Annex XIII.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

Not applicable.

## REMOVER SPRAY

### 3.2. Mixtures

Components:

Component Reg.No: REACH:	CAS No.	EC No.	% weight	Classification according to EC Regulation No. 1272/2008 hazard classes / hazard category codes #
Dichloromethane. 01-2119480404-41-0001	75-09-2	200-838-9	50 – 75 *	Carc. 2, H351, GHS08, Wng
Low aromatic white spirit <sup>1</sup> 01-2119471306-40-xxxx	64742-89-8	265-192-2	<2	Flam. Liq. 3, Skin Irrit. 2, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 3, H226, H304, H315, H336, H412*
Isopropanol 01-2119457558-25-xxxx	67-63-0	200-661-7	<2	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3, H319, H225, GHS02, GHS07, Dgr
i-butane 01-219474691-32-xxxx	106-97-8	203-448-7	5-20	Flam. Gas 1, Press. Gas, H220, GHS02, GHS04, Dgr

<sup>1</sup> - for this component Note P and Note H apply to product classification.

Explanation of the hazard statements is given in section 16.

**Note P:** Classification of a substance as carcinogenic or mutagenic does not need to be applied if it can be shown that the substance contains less than 0.1 % w/w benzene (Einecs No 200-753-7).

**Note H:** The classification and labelling shown for this substance applies to the hazardous properties identified by the hazard statement(s) in combination with the indicated hazard class(es) and category(ies). Requirements stated in art. 4 concerning manufacturers, importers and downstream users of this substance apply to all other hazard classes and categories. For hazard classes where the route of exposure or the nature of the effects lead to a differentiation of classification within the hazard class, the manufacturer, importer or downstream user is required to include the routes of exposure or effects not yet covered.

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

Poisoning through inhalation:

In case of inhalation, remove the injured from the place of exposure to fresh air; ensure peace; protect against heat loss. In case of respiratory arrest perform artificial respiration. Ensure medical aid.

Eye contamination:

In case of contact with the eyes, immediately rinse the eyes with plenty of clean water, avoiding a strong stream, with the eyelids open, for at least 15 minutes. Ensure medical aid.

Skin contamination:

In case of skin contamination: take off contaminated clothes and wash contaminated areas of skin with plenty of water and soap. Get medical attention if irritation or blistering occurs.

Contamination through alimentary tract:

If swallowed: rinse mouth with plenty of water and give water to drink. Prevent the injured from losing consciousness, immediately provide medical aid and show the safety data sheet.

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

Inhalation: irritation of the upper respiratory tract, in case of high concentrations and prolonged exposure, loss of consciousness and even death may occur.

Skin contact: irritation, and in the case of prolonged contact drying, dermatitis and burns; symptoms include pain, redness, swelling, tissue damage.

Contact with eyes: cornea irritation/damage, possible temporary visual disturbance.

Ingestion: irritation, nausea, vomiting, diarrhoea leading to dehydration and loss of consciousness.

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

Provide the injured with adequate ventilation and oxygenation. No specific antidote. Supportive therapy, based on the judgment of the doctor.

## SECTION 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Foam, water, dispersed currents, extinguishing powders, carbon dioxide.

### 5.2 Special hazards related to the mixture

As a result of heat, the pressure in the containers increases and the containers may burst; they should be cooled by spraying water from a safe distance. If the containers burst, heating will produce carbon monoxide, carbon dioxide, hydrochloric acid, phosgene, various hydrocarbons and nitrogen compounds.

### 5.3 Advice for fire fighters

Remove persons not fighting the fire. Put on self-contained breathing apparatus. Due to the danger of explosion, cool the containers with water spray. Prevent penetration of the agent into the sewage system. Keep away with fire from the spilled substance. Mixtures containing methylene chloride and flammable solvents pose a risk of ignition after evaporation of methylene chloride.

## REMOVER SPRAY

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency measures

Use personal protective equipment, do not approach with open fire. Do not inhale vapour. Avoid contact with skin and eyes. Provide adequate ventilation. No action shall be taken involving any personal risk or without suitable training. Do not allow entry to unnecessary and unprotected personnel.

#### 6.2. Environmental precautions

Use appropriate barriers to prevent from spreading or entering drains/ditches.

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

If possible, locate the leak, isolate the remaining sealed packaging, place damaged packaging in a protective container, absorb the liquid with sand or soil. Collect into a closed container. Wash contaminated surface with water. Collect contaminated water and dispose of as dangerous waste.

#### 6.4. Reference to other sections

Information on appropriate personal protection equipment is given in section 8. Information on waste treatment is given in section 13 of the Sheet.

### SECTION 7. HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

#### 7.1. Precautions for safe handling

Avoid contact with the eyes, do not inhale vapours and aerosol mist, avoid sparks and open flames, use only in well-ventilated rooms. Do not eat, drink and smoke when handling the product. Wash hands at the end of work and before each break.

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

Store in original closed containers, in well-ventilated rooms, in a warehouse of flammable liquids, at a temperature 5-20°C, away from direct sunlight and other sources of heat and fire. Do not smoke in storage rooms, avoid contact with strong oxidants, peroxides, aluminium, alkali metals and copper.

### SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

#### 8.1. Control parameters

Maximum permissible concentrations at a workplace\*:

Component	CAS No.	NDS values	NDSch values	Unit
Dichloromethane.	75-09-2	88	353 *	mg/m <sup>3</sup>
White spirit	64742-89-8	00	900	mg/m <sup>3</sup>
Isopropanol	67-63-0	900	1200	mg/m <sup>3</sup>
Isobutane	106-97-8	1900	3000 *	mg/m <sup>3</sup>

#### 8.2. Exposure control

The personal protective equipment used should meet the requirements of applicable law.

Respiratory tract: In case of insufficient ventilation use respiratory protection with a gas filter.

Hands: Wear protective gloves. The glove material has to be impermeable and resistant to the product. As the product consists of several substances, the resistance of the glove material cannot be calculated in advance and should therefore be checked before use.

Eyes and face: Wear tight fitting goggles or full face shield.

Skin: Use protective clothing (apron, suit).

General recommendations:

A place for washing the body and rinsing the eyes (safety showers and eyewash fountains) should be provided in the workplace. Ensure adequate ventilation of the rooms. The choice of protective equipment depends on the level of exposure to the product. Do not eat, drink and smoke when handling the product. Wash hands at the end of work and before each break.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties\*

Content:

Appearance quickly evaporating paste  
Odour characteristic  
Boiling point 124-140°C  
pH not applicable.  
Flammability see classification in section 2  
Vapour pressure 4 bar (at 20°C)

Explosion limits

Top: 18.6 % vol.  
Bottom: 2.6 % vol.

Density 0.84-0.94 g/cm<sup>3</sup>

Solubility in:

water insoluble  
organic solvents soluble

**REMOVER SPRAY**

**9.2. Other information**

Not applicable.

**SECTION 10. STABILITY AND REACTIVITY**

**10.1. Reactivity**

No dangerous reactions known under conditions of normal use.

**10.2. Chemical stability**

The product is stable under normal conditions of storage and use.

**10.3. Possibility of hazardous reactions**

There are no hazardous reactions if the product is stored as recommended.

**10.4. Conditions to be avoided**

Avoid open flames or other sources of high temperatures, protect from direct sunlight.

**10.5. Incompatible materials**

Avoid contact with strong oxidants, peroxides, aluminium, alkali metals and copper.

**10.6. Hazardous decomposition products**

Phosgene, hydrogen chloride, chlorine.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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

There are no experimental data on the toxicological properties of the product.\*

Health hazard\*:

In case of prolonged exposure or at concentrations higher than the established occupational exposure limits, side effects on health may occur depending on the route of exposure:

A. Ingestion (acute effects):

- Acute toxicity: Based on available data, the classification criteria are not met, but the product contains substances classified as hazardous if swallowed. For more information see section 3.

- Caustic/Irritating: Swallowing a significant dose of the product may cause throat irritation, abdominal pain, dizziness and vomiting.

B. Inhalation (acute effects):

- Acute toxicity: Based on available data, the classification criteria are not met. The product does not contain substances classified as hazardous if inhaled. For more information see section 3.

- Caustic/Irritating: Based on available data, the classification criteria are not met, but the product contains substances classified as hazardous. For more information see section 3.

C. Contact with skin and eyes (acute effects):

- Contact with skin: In case of contact it causes skin irritation.

- Contact with eyes: Causes serious damage in contact with eyes.

D. CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

Carcinogenicity: Exposure to the product may lead to cancer. See section 2 for more information on specific side effects to human health.

IARC: Dichloromethane (2A); Solvent naphtha (petroleum), light aliphatic (petroleum), < 0.1 % EC 200-753-7 (3); propan-2-ol (3)

- May cause genetic effects: Based on available data, the classification criteria are not met. The product does not contain substances classified as hazardous. For more information see section 3.

- May cause harmful effect to reproduction: Based on available data, the classification criteria are not met. The product does not contain substances classified as hazardous. For more information see section 3.

E.- sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met. The product does not contain substances classified as hazardous due to their sensitizing effects. For more information see section 3.

- Skin: Based on available data, the classification criteria are not met. The product does not contain substances classified as hazardous. For more information see section 3.

F.- Specific target Organ Toxicity (STOT) time of exposure: Based on available data, the classification criteria are not met, but the product contains substances classified as hazardous if inhaled. For more information see section 3.

G. Specific target Organ Toxicity (STOT), repeated exposure: Based on available data, the classification criteria are not met. The product does not contain substances classified as hazardous. For more information see section 3.

- Skin: Based on available data, the classification criteria are not met, but the product contains substances classified as hazardous in case of repeated exposure. For more information see section 3.

H. Aspiration hazard: Based on available data, the classification criteria are not met, but the product contains substances classified as hazardous. For more information see section 3.

Detailed toxicological information on substances:

Dichloromethane CAS 75-09-2

LD50 (rat oral)	1600 mg/kg
LC (rat, oral)	86 mg/m <sup>3</sup> /4h
LD50 (rat, skin)	more than 2000 mg/kg

Butane CAS 106-97-8

LC50 (rat)	658 mg/m <sup>3</sup> /4h
------------	---------------------------

**11.2 Information on other hazards\***

No data.

**REMOVER SPRAY**

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1. Toxicity**

Toxicity to aquatic life due to the presence of methylene chloride:

Acute toxicity to fish	LC50	310 mg/l
Acute toxicity to daphnia	EC50	480 mg/l
Growth inhibitory concentration for green algae	IC50	>662 mg / 72 h
The product is not hazardous to aquatic life	LC50/EC50/IC50	above 100

**12.2. Persistence and degradability**

Biodegradation due to methylene chloride 66% (50 h)\*

**12.3. Bioaccumulative potential**

Unknown.

**12.4. Mobility in soil**

Unknown.

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

Not classified as PBT and vPvB.

**12.6. Endocrine disrupting properties\***

The product does not contain substances disrupting the functioning of the endocrine system.

**12.7. Other hazardous effects\***

No data.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Do not dispose of together with household waste, do not pour into the sewage system. After evaporation in a well-ventilated room, the packaging should be delivered to an authorized waste recipient holding a relevant permit for hazardous waste management.

Used aerosol containers may contain residual gas (butane) and pose an explosion hazard.

Do not puncture or crush under uncontrolled conditions.

Package content: type; 16 05 05 gases in containers other than those mentioned in 16 05 04.

**SECTION 14. TRANSPORT INFORMATION**

	<b>Road/railway transport (RID/ ADR)</b>	<b>Sea transport (IMDG/IMO)</b>	<b>Air transport (ICAO/IATA)</b>
<b>14.1 UN number</b>	1950	1950	1950
<b>14.2. Proper shipping name</b>	AEROSOLS, flammable	AEROSOLS, flammable	AEROSOLS, flammable
<b>14.3 Transport hazard class (-es)</b>	Class: 2 gases Classification code: 5F	Class: 2 gases	Class: 2 gases
<b>14.4 Packaging group</b>	Not applicable.		
<b>14.5. Environmental hazards</b>	Warning label : No 2.1	Label: 2.1	Label: 2.1
<b>14.6. Special precautions for users</b>	Limited Quantity: LQ2 Transport category: 2 Tunnels: D	No data.	No data.
<b>14.7. Sea transport in bulk in accordance with IMO instruments*</b>	No data.	No data.	No data.

**SECTION 15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations / legislations specific for or mixture\***

- 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 the EU L335/ 1 of 31 December 2008.).
- Commission Regulation (EU) 2020/878 of 18 June 2020 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).\*

**15.2 Chemical safety assessment\***

It has not been performed.

**SECTION 16. OTHER INFORMATION**

H and P phrases:

H351	Suspected of causing cancer.
H319	Eye irritation, cat. 2.
H315	Skin corrosion/irritation, cat. 2.
H220	Extremely flammable gas.
H304	May be fatal if swallowed and enters airways.
H225	Highly flammable liquid and vapour.

**REMOVER SPRAY**

H280	Contains gas under pressure: may explode if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long-lasting effects.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.
P211	Do not spray on an open flame or other ignition source.
P410-412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P251	Do not pierce or burn even after use.
P501	Dispose of the contents in accordance with local/regional/national/international regulations.

Explanation of abbreviations and acronyms:

Carc. Cat. 3	Carcinogenicity, hazard category 3.
Flam. Gas	Flammable gas.
Flam. Liq.	Flammable liquids.
Press. Gas	Pressurized gas.
STOT SE	Specific target organ toxicity – single exposure.
Eye Irrit.	Causes eye irritation.
Asp. Tox.	Aspiration hazard.
vPvB	substance, which is very Persistent and very Bio-accumulative.
PBT	substance, which is Persistent, Bio-accumulative and toxic.
PBT	Persistence, bioaccumulative potential and toxicity.
vPvB	Very high durability and very high bioaccumulation capacity.
CAS	Chemical Abstract Service.
EC	the number assigned to the chemical in the European Inventory of Existing Commercial Substances or in the European List of Notified Chemical Substances or in the list of chemical substances listed in the "No-longer polymers" publication.
MPIC	maximum Instantaneous permissible concentration of health hazardous substances in the work place
PBC	Permissible concentration in biological material
DNEL	Derived no effect level
PNEC	Predicted no-effect concentration.
BEL	Bottom Explosion limit.
TEL	Top explosion limit.
LD50	Dose causing 50% of fatalities.
LC50	Concentration causing 50% of fatalities.
EC50	Concentration that causes a 50% survival reaction.
UN number	material identification number (UN number).
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

This safety data sheet has been prepared on the basis of data obtained from suppliers of basic raw materials (safety data sheets).

This product should be handled and used in accordance with good industrial practice and official regulations.

The information contained in this sheet is consistent with the current state of knowledge and is intended to describe the product from the point of view of safety requirements. They do not constitute a guarantee as to the specific properties of this product and cannot be the basis for a complaint. The use of the information provided and the use of the product are not controlled by the manufacturer, and therefore it is the user's responsibility to create conditions for safe handling of the product.

Preparation reported to the Inspector for Chemical Substances and Preparations.

Safety data sheet available on request of a professional user.

Changes compared to the previous version (marked with \*):

Update of sections:

9 : rewording of the sub-section Information on basic physical and chemical properties\*

11: rewording of sub-section 11.1: Information on the hazard classes defined in Regulation (EC) No 1272/2008

12: new subsection 12.6: Endocrine disrupting properties.

14: rewording of sub-section 14.7: Sea transport in bulk in accordance with IMO instruments.

Changes in the content of sections:

1.1, 3.2, 8.1, 11.1, 14.7, 15.1, 16. General update.

Training:

Persons involved in the trade of dangerous preparations should be trained in handling, safety and hygiene. Vehicle drivers should undergo training and obtain an appropriate certificate in accordance with the requirements of ADR regulations.

Sheet number: 07-1P8L-0123-V6