SECTION 1. MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION

1.1. Product identification:
PAINT REMOVER GEL
UFI: 95T0-8065-T00C-N7GE *

1.2. Relevant identified uses of the substance or mixture and uses advised against
Preparation for removing coats of old paints and varnishes.
Intended for industrial and professional use only.*

1.3. Data of the safety data sheet supplier

Przedsiębiorstwo RANAL Sp. z o.o.
Ul. Łódzka 3
42-240 Rudniki, 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).

General hazards:
The product is classified as hazardous according to current regulations. *

Health hazard:
H304 May be fatal if swallowed and enters airways, cat. 1 *
H319 Causes serious eye irritation, cat. 2 *
H351 Carcinogenicity, cat. 2, H351. *
H361d Suspected of damaging the unborn child, cat. 2 *
H336 May cause drowsiness or dizziness, cat. 3 *
H373 May cause damage to organs through prolonged or Repeated exposure, cat. 2 *

Dangerous properties*:
Flammable liquids, cat. 2., H225.

Environmental hazards:
Not applicable.

2.2. Label elements

Hazard pictograms:

Signal word: **Danger**.

Contains:
Dichloromethane.
Acetone.
Toluene*

Hazard statements (CLP)*:
H225 Highly flammable liquid and vapour.*
H304 May be fatal if swallowed and enters airways.*
H319 Causes eye irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H361d Suspected of damaging the unborn child.*
H373 May cause damage to organs through prolonged or repeated exposure.*

Precautionary statements (CLP)*:
P202 Do not handle until all safety precautions have been read and understood.*
P210 Keep away from sources of heat/sparks/open flames/hot surfaces. No smoking.
P243 Take action to prevent static discharges.*
P260 Avoid breathing dust/fume/gas/mist/vapours and spray.*
P280 Wear protective gloves/protective clothing/eye protection/face protection.*
P301+ P311 IF SWALLOWED call a POISON CENTER or doctor/physician.
P331 DO NOT induce vomiting.

2.3. Other hazards*
The Substance does not meet the criteria of PTB/vPvB in accordance with Annex XIII to the Regulation 1907/ 2006.

It has a narcotic effect, the absorption of large amounts causes disorders of central nervous system, spasms, loss of consciousness, respiratory arrest, cardiovascular failure, death.*

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable.

3.2. Mixtures

Hazardous components*	% weight	CAS No.	EC No.	Index no	H phrases
Methylene chloride	55-65	02/09/1975	200-838-9	Not applicable.	Car.2; H351
Isopropanol	10-20	67-63-0	-	01-2119457558-25-xxxx	Flam. Liq, Eye.Irrit.2, H319, STOT SE 3, H336, Flam. Liq. 2, H225
Toluene	4-6	108-88-3	203-625-9	01-2119471310-51-xxxx	Flam. Liq. 2, H225, Skin Irrit. 2, H315, Repr. 2, H3361d, STOT SE 3, H336, STOT RE 2, H373, ASP. Tox. 1, H304
Acetone	8-10	67-64-14	200-662-2	01-2119471330-49-xxxx	Flam. Liq. 2, H225, Eye Irrit. 2, H319, STOT SE 3, H336, EUH066
Acetic acid	3-5	64-19-7	200-580-7	01-2119475328-30-xxxx	Eye Irrit 1 B, H314, Dam. 1, H318

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Exposure routes: inhalation, ingestion, skin contact, eye contact.

Inhalation effects:
Take the injured, conscious/unconscious, out of the contaminated environment to fresh air, ensure peace and warmth. Place the conscious person in a semi-sitting position, the unconscious person in a fixed lateral position; control and maintain airway patency. Give oxygen if breathing is impaired; in the absence of breathing, apply artificial respiration using, for example, the AMBU apparatus. Immediately call for medical help. *

Ingestion effects:
If the injured is conscious, immediately give 200 ml of water to drink. Do NOT induce vomiting. Do not give any milk, fats or alcohol. In the event of spontaneous vomiting, prevent the penetration of the preparation contained in the vomit into the respiratory tract. Immediately call for medical help. *

Contact with skin:
Immediately remove contaminated clothing, wash contaminated skin thoroughly with soap and water, then rinse with water. If symptoms of irritation persist, consult a doctor.

Contact with eyes:
Rinse contaminated eyes with the eyelids wide open, with a 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

After inhalation: Irritation, sore throat, cough, breathing difficulties, narcotic effects, headaches and dizziness, drowsiness, absorption of large amounts causes disorders of central nervous system, cramps, loss of consciousness, respiratory arrest, cardiovascular failure, death.*
Skin contact: skin dryness and degreasing, redness and burning.*
Contact with eyes: Irritation, pain, burning, tearing, potential corneal damage.*
Ingestion: Nausea, vomiting, risk of aspiration during vomiting, in the event of absorption symptoms similar to those after inhalation.*

4.3. Indications of any immediate medical attention and special treatment needed*
Indications for the doctor: symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media*

Suitable: carbon dioxide, extinguishing powders, foams, dispersed water jets.
Unsuitable: compact water jets.

5.2. Special hazards arising from the substance or mixture

Combustion products contain carbon monoxide and dioxide, hydrocarbons. Vapours form explosive mixtures with air. Vapours of the product are heavier than air, may travel long distances and accumulate above the ground, may pose a risk of ignition and flame return to the source of the leak.*

5.3. Advice for fire fighters
Containers exposed to fire or high temperature should be cooled by spraying water (risk of bursting the container due to pressure increase), if possible they should be removed from the area of exposure. Do not allow contaminated extinguishing water to enter ground and surface waters, contaminated water should be collected and disposed of in accordance with applicable regulations.
Use self-contained breathing apparatus and full protective clothing. *

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures
Use personal protective equipment, do not inhale vapour/mist. Remove sources of ignition, avoid contamination of eyes and skin. No action shall be taken involving any personal risk or without suitable training. Evacuate people from surrounding areas. Do not allow entry – to unnecessary and unsecured personnel.*

6.2. Environmental precautions
Prevent the product from entering into sewage system, water and soil.
In case of water contamination, notify the relevant authorities.

6.3. Methods and materials for containment and cleaning up
Place damaged container in an emergency container. Limit the spread of the leaked product by embanking the area; pump out collected large amounts of liquid. Cover small amounts of spilled liquid with non-flammable absorbent material (earth, sand, vermiculite), collect into a closed waste container. Dispose of according to applicable regulations.

6.4. Reference to other sections
Personal protection – see section 8 of the Sheet.
Disposal methods – see section 13 of the Sheet.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES
When using and storing the product, observe general occupational health and safety regulations.

7.1. Precautions for safe handling

Poisoning prevention: avoid contact with the liquid; avoid inhalation of vapours and aerosols; prevent the formation of harmful vapour concentrations in the air; work in well-ventilated rooms. When using the product, observe the principles of personal hygiene and wear protective clothing in accordance with the information provided in section 8 of the MSDS.

Fire and explosion prevention: prevent formation of flammable/explosive vapour concentrations in air; eliminate sources of ignition - do not use open fire, do not smoke, do not use sparking tools and clothing made of fabrics susceptible to electrification; protect the tanks against heating, install electrical devices in the appropriate execution, use bridging and grounding.

7.2. Conditions for safe storage, including any incompatibilities
Store only in certified, properly labelled, closed containers, in a flammable liquid warehouse equipped with ventilation and electrical installations made depending on the result of the explosion hazard assessment. Protect the container against heat. Do not smoke, use open fire or sparking tools in the warehouse.
ATTENTION: Empty packaging may contain flammable vapours that pose a risk of explosion.

7.3. Special end uses
No data.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

Recommendations regarding technical measures:
Provide good ventilation in the workplace.

8.1. Control parameters
Air pollutants are not present when used as intended.

Substance name	CAS No.	MPC [mg/m³]	MPIC [mg/m³]	MPCC [mg/m³]
Dichloromethane.	75-09-2	88	Not specified	-
Acetone	67-64-1	600	1800	-
Isopropanol	67-63-0	20	1200	-
Toluene*	108-88-3	100	200	-
Acetic acid*	64-19-7	15	30	-

8.2. Exposure control

Technical control measures*:
Provide adequate ventilation.

Personal protection measures*:
Respiratory protection: Mask with a filter
Recommended filter type: A
Self-contained breathing apparatus with an independent air supply.

Eyes protection*:
If there is a risk of splash wear: Protective goggles. Face shield.
Hands and skin protection*:
Gloves resistant to chemicals should be used whenever handling chemical products, where a risk assessment indicates this is necessary.
Protective gloves according to EN 374. The gloves should be disposed of and replaced at any sign of wear or chemical breakthrough.

Other protective equipment*:
Safety uniform.

Regulatory references*:
Personal protective measures should meet the requirements of applicable law.

General recommendations*:
Avoid contamination of eyes and skin and breathing vapours/gases/mist. Do not eat, drink or smoke when using the product. Wash hands before each break and at the end of work. Take off and wash contaminated clothing before using it again.

Environmental control:
Prevent the product from penetrating into the sewage system, surface and ground waters or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties*

Parameter:	value:
Form	liquid
Colour:	yellow
Odour:	characteristic
Melting point/range	-
Boiling point/range (ºC)	60÷90
Flash point (°C)	7
Auto ignition point (ºC)	530
Explosion limits	-
Bottom [%Vol.]	3
Top [%Vol.]	14
Vapour pressure (20ºC) [hPa]	62
Density (20ºC) [g/cm³]	1.1
Vapour density with regard to air	3
Solubility in water (20ºC) [%Vol.]**	approx. 20 (forms a flocculent emulsion)

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

9.2. Other information*

Explosive properties: does not show explosive properties.
Oxidizing properties: does not show oxidizing properties.
Molar mass: 84.93 g/mol Information on physical hazard classes*:
Explosives - no hazard
Gases - no hazard
Aerosols - no hazard
Oxidizing gases - no hazard
Gases under pressure - no hazard
Flammable liquids - no hazard
Flammable solids - no hazard
Self-reactive substances and mixtures - no hazard
Pyrophoric liquids - no hazard
Pyrophoric solids - no hazard

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Reacts violently with strong oxidants.*

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

10.3. Possibility of hazardous reactions
Reacts violently with strong oxidants.*

10.4. Conditions to be avoided
Ignition sources, heat.

10.5. Incompatible materials
Strong oxidants*

10.6. Hazardous decomposition products
Toxic fumes such as carbon dioxide and other unidentified gases may be released in a fire.*

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity*:
LC50 (inhalation, rat:): 2000 ppm (4 hours)
LD50 (skin, rabbit-male): 10100 mg/kg
LD50 (oral, rat-male/female): 2200 mg/kg

Conclusions/Summary*:
Toxic if swallowed or inhaled.

11.2. Information on other hazards*

Skin corrosion/irritation
Slightly irritating to skin (rabbit).*

Serious eye damage/irritation
Moderately irritating to eyes (rabbit).*

Allergic effect on airways or skin:
Skin: No skin sensitization found (mouse).*
Airways: No data available.*

Mutagenic effect on germ cells
No mutagenic effect found. Based on available data, the classification criteria are not met.*
Experiment: In vitro (bacteria): negative result
Experiment: In vivo (mammal-animal): negative result.

Carcinogenicity:
Substance name: Methylene chloride, CAS: 75-09-2 *
Based on available data it is suspected of causing cancer – Car. 2 (H 351)
May cause cancer based on the data concerning tests on animals.*

Reproduction toxicity (CMR):
It is not considered toxic to reproduction. Based on available data, the classification criteria are not met.*

Specific target organ toxicity – single exposure:
No data.

Specific target organ toxicity – repeated exposure:
No data.

Aspiration hazard
No data.

Information on possible routes of exposure*:
Contact with eyes: No information on side effects or critical hazards. May cause eye irritation.
After inhalation: Harmful if inhaled.
Contact with skin: No information on side effects or critical hazards. May be harmful in contact with skin.
Ingestion: Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics*:
Contact with eyes: No data.
After inhalation: Serious symptoms may include: headache, weakness, nausea or vomiting, a weak rapid pulse and even loss of consciousness.
Contact with skin: No data.
Ingestion: Serious symptoms may include: abdominal pain, nausea, vomiting, diarrhoea, other

Delayed and immediate effects and chronic effects from short and long-term exposure*:
Short-term contact:
- potential immediate effects: no data available.
- potential delayed effects: no data available.
Long-term contact:
- potential immediate effects: no data available.
- potential delayed effects: no data available.

Additional information*:
No significant additional data.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic concentrations for aquatic organisms*:

Short-term toxicity for fish:	LC50 (96 h) 139 mg/l (Pimephales promelas) – fresh water/ flowing
Long-term toxicity for fish:	NOEC (28 D) 6-11 mg/l (Pimephales promelas) – fresh water/ flowing
Short-term toxicity for aquatic invertebrates:	EC50 semi-static (24 h) 3.8 mg/l (Daphnia magna) EC50 semi-static (48 h) 2.7 mg/l (Daphnia magna)
Long-term toxicity for aquatic invertebrates:	EC10/LC10 or NOEC 4.09 mg/l (Bahia Mysidopsis) – fresh water

Algae and aquatic plants*:
EC50 (72 h) 7,95 mg/l (Subcapibata Pseudokirchnerella) (reported Selenastrum capricornutum) – fresh water/ static
NOEC 7,95 mg/l (Subcapibata Pseudokirchnerella) (reported Selenastrum capricornutum) – fresh water / static

Toxicity to sediments*:
PNEC 1.57 x 10^{-1} (mg/kg dry weight) – fresh water - sediment
PNEC 1.57 x 10^{-2} (mg/kg dry weight) – sea water – sediment

Toxicity to soil macroorganisms*:
Long-term toxicity to annelids (Eisenia fetida - redworm)
LC50 (14 d) 4240 mg/kg dry soil

toxicity to land plants *:
According to column 2 of REACH Annex IX, short-term plant toxicity studies do not have to be conducted. Direct and indirect exposure of the soil compartment is unlikely.
The substance shows low adsorption (Log Koc = 1.72).

Bioaccumulative potential (Log Kow = 1.99 - 2.28, BCF = 0,5 - 7). *
Therefore, significant distribution to soil and significant exposure of land plants are not expected.

12.2. Persistence and degradability

Biotic*:
1,2-dichloropropane is naturally non-biodegradable, only 11.7% has been observed to be degraded after 28 days.

12.3. Bioaccumulative potential

The LogPow values were below the threshold of 4.5 as per the guidance provided in the PBT assessment, so the substance is not considered to accumulate in aquatic organisms.*

12.4. Mobility in soil

Substance name: Methylene chloride* CAS: 75-09-2
Mobility:
Insoluble in water, no mobility in soil. Do not allow the product to reach ground and surface water.
Soil/water partition coefficient (Koc): 1.67
Henry's constant (ambient temperature (12ºC): 180 Pa m^3/mol

12.5. Results of PBT and vPvB assessment

PBT: The substance is not considered persistent, bioaccumulative and toxic.*
vPvB: The substance is not considered very persistent and very bio-accumulative.

12.6. Endocrine disrupting properties*
No data.

12.7. Other hazardous effects*
No data.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Wastes classification:
Appropriate to the place of generation based on the criteria contained in the applicable regulations.

Product disposal:
Do not discharge the product into the sewage system. Prevent contamination of surface and ground waters. Do not store in municipal landfills. Consider reuse. Recycling / disposal of product waste should be carried out in accordance with applicable regulations.

Recommended disposal method:
Combustion.

Disposal of containers:
Recycling or disposal of waste containers should be carried out in accordance with applicable regulations.
Reusable packaging can be reused 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

Container labelling: inscription UN 1263, warning label No. 3
Hazard identification number: 33

14.5. Environmental hazards
Not applicable.

14.6. Special precautions for users
Not applicable.

14.7. Sea transport in bulk in accordance with IMO instruments*
No data.

SECTION 15: REGULATORY INFORMATION

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

- 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, Authorization and Restriction of Chemicals (REACH) (Text with EEA relevance).
- Commission Regulation (EC) No 1277/2005 of 27 July 2005 laying down implementing rules for Regulation (EC) No 273/2004 of the European Parliament and of the Council on drug precursors and for Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors.
- Council Regulation (EC) No 111/2005 of 22 December 2004 laying down rules for the monitoring of trade between the Community and third countries in drug precursors.
- Regulation (EC) NR 273/2004 of the European Parliament and of the Council of 11 February 2004 on drug precursors.
- Regulation (EC) NR 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 (EU L 353 of 31 December 2008).
- Commission Regulation (EC) NR 790/2009 of 10 August 2009 adapting to scientific and technical progress Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on the classification, labelling and packaging of substances and mixtures (Official Journal of the EU L 235 of 5 September 2009).
- Commission Regulation (EC) 286/2011 of 10 March 2011 adapting to scientific and technical progress Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on the classification, labelling and packaging of substances and mixtures (Official Journal of the EU L 83 of 30 March 2010).
- Government Statement of 26 July 2005 on the entry into force of amendments to Annexes A and B to the European Agreement on the International Carriage of safe Goods by Road (ADR) drawn up in Geneva on September 30, 1957.
- 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 the EU L 396 of 30 December 2006 as amended.

15.2. Chemical safety assessment*
Chemical safety assessment has been carried out for this substance.*

SECTION 16: OTHER INFORMATION

Full text of hazard statements mentioned in section 2 - 15 of the Sheet:
H226 Flammable liquid and vapour.
H319 Causes 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:
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.
15: added subsections 15.1.1, 15.1.2.
Changes in the content of sections:
1.1, 1.2, 2.1, 2.2, 2.3, 3.2, 4.1, 4.2, 4.3, 5.1, 5.2, 5.3, 6.1, 8.1, 8.2, 9.1, 9.2, 10.1, 10.3, 10.5, 10.6, 11.1, 11.2, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 14.7, 15.1, 16.
General update.

The information contained in the Sheet applies only to the title product and cannot be transferred to similar products. The Sheet has been developed on the basis of the best of our knowledge and current information collected. The data contained in the Sheet should be treated only as tips concerning safe handling in transport, distribution, use and storage.
The above information is based on the current state of knowledge and applies to the product as it is used. The data of this product is presented in order to comply with safety requirements, not to guarantee its specific properties. If the conditions of use of the product are not under the manufacturer's control, the user is responsible for the safe use of the product. *
The employer is obliged to inform all the workers who have contact with the product about the hazards and personal protection measures specified in this Material Safety Data Sheet. *
This Safety Data Sheet has been developed on the basis of the Safety Data Sheet provided by the manufacturer and / or on-line databases as well as the applicable regulations on hazardous substances and chemical preparations. *

The user of the product is obliged to comply with all applicable standards and regulations, and is also liable for misuse of the information contained in the Sheet.

Sheet number: 06-1P9L-0323-V5