

RUBBER PROTEX- SPRAY

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

1.1. Product identification

RUBBER PROTEX- SPRAY

UFI: H1U0-A034-V009-8NA2 *

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

Undercarriage protection agent in spray. For professional use in car refinish.

Area of use*:

SU21 Consumer uses: Private households / general public / consumers.

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen).

Product category*:

PC9a Coatings and paints, thinners, paint removers

Process category*:

PROC7 Industrial spraying

PROC11 Non industrial spraying

Use of the substance/mixture*:

Paint

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

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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

The mixture was classified as hazardous according to the regulations in force - see section 15 of the Safety Data Sheet.



GHS02 flame*

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.



GHS09 environment*

Aquatic Chronic 2 H411 Toxic to aquatic life with long-lasting effects.



GHS07 *

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

2.2. Label elements

Classification according to the regulation (EC) no 1272/2008:

The product has been classified and labelled according to CLP regulation.

Hazard pictograms



Signal word: **DANGER.**

Components indicating hazard for labelling*:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics.

Acetone. Hydrocarbons, C9, aromatics.

Hazard statement:

H222 Extremely flammable aerosol.

H229 Pressurized container: May burst if heated.

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H315 Causes skin irritation.
H319 Causes eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long-lasting effects.

Precautionary statements*:

P101* If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
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.
P251 Pressurized container – Do not pierce or burn, even after use.
P260 Do not breathe spray. *
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of * contents/container in accordance with regional international regulations.

Additional information:

Formation of explosive mixtures is possible in case of insufficient ventilation.*

2.3. Other hazards

Results of PBT and vPvB assessment*:

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Description: A mixture of the following components with safe additions

Substance name
Identification numbers
Classification and labelling
Concentration
[% weight]

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

EC: 921-024-6

CAS: -

Index no: -

Registration no: 01-2119475514-35-XXXX

Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; STOT SE, H336;

12.5 - 20 %

Propane

EC: 200-827-9

CAS: 74-98-6

Index no: 601-003-00-5

Registration no: 01-2119486944-21-XXXX

Flam. Gas. 1A*; H220; Press. Gas. (Comp.*), H280.

12.5 - 20 %

Hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclics

EC: 920-750-0

CAS: -

Index no: -

Registration no: 01-2119473851-33-XXXX

Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE, H336;

EUH066 *

10 - 12.5% *

Acetone

EC: 200-662-2

CAS: 67-64-1

Index no: 606-001-00-8

Registration no: 01-2119471330-49-XXXX

Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336;

EUH066:

10 - 12.5% *

Butane (containing <0.1% of butadiene (EC number 203-450-8)*)

EC: 203-448-7

CAS: 106-97-8

Index no: 601-004-00-0

Registration no: 01-2119474691-32-XXXX

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Flam. Gas. 1A*, H220; Press. Gas. (Comp.*), H280.;
5 - 10 %

Isobutane (butadiene content (203-450-8) <0.1%)

EC: 200-857-2

CAS: 75-28-5

Index no: 601-004-00-0

Registration no: 01-2119485395-27-XXXX

Flam. Gas. 1A*, H220; Press. Gas. (Comp.*), H280.;

5 - 10 %

Hydrocarbons, C9, aromatics

EC: 918-668-5

CAS: --

Index no: --

Registration no: 01-2119455851-35-XXXX

Flam. Liq. 2, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE, H335*-H336;

EUH066 *

<2.5%

Full text of hazard statements provided in section 16 of the Sheet.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information: See section 11 of the Material Safety Data Sheet.

Airways: In case of loss of consciousness place and transport in stable recovery position.*

Skin: Immediately wash with water and soap and rinse thoroughly. *

Eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*

Alimentary tract: Drink plenty of water and get out into the fresh air. Immediately call a doctor.*

4.2. Most important symptoms both acute and delayed

No further relevant data available.*

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

No further relevant data available.*

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: Fire extinguishing procedures should be adapted to the surroundings.*

5.2. Special hazards arising from the substance or mixture

Formation of poisonous gases when heated or in case of fire.*

5.3. Advice for fire fighters

Special protective equipment: Wear respiratory protection.*

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, Precautions equipment and emergency measures

Wear respiratory protection. Wear protective clothing. Move unprotected persons to a safe place. Keep ignition sources at a safe distance.*

6.2. Environmental precautions

In the event of leakage into water course or sewage system inform competent authorities. Do not allow entering sewage system /surface water /ground water.*

6.3. Methods and materials for containment and cleaning up

Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation.*

6.4. Reference to other sections

Information on safe handling see section 7.*

Personal protection measures – see section 8 of the Sheet.

Disposal considerations – see section 13 of the Sheet.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace.*

Information about fire and explosion protection*:

Do not spray towards flames or over glowing material. Keep ignition sources away - do not smoke. Keep respiratory protective equipment at hand.

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7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles*:

Observe regulations concerning the storage of pressurized gas tanks.

Information about common storage: Not necessary.*

Further information about storage conditions: Keep containers tightly sealed.*

Storage class: 2 B *

7.3. Special end use (s)

For professional use in car refinishing taking into consideration the information included in subsections 7.1. and 7.2. of the Sheet.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. Control parameters

CAS NUMBER	SUBSTANCE	MPC(mg/m ³)	MPIC (mg/m ³)	MPCC (mg/m ³)
74-98- 6	Propane	1800	---	---
67-64-1	Acetone *	600	1800	---
106-97-8	Butane (containing <0.1% butadiene (EC number 203-450-8)*)	3000	1900	---

Additional information: The lists currently in force were used as a basis.*

8.2. Exposure control

Technical control measures: No further data, see section 7.*

Personal protective measures*:

General measures of protection and hygiene:

Keep away from foodstuffs, beverages and feed. Immediately take off all soaked and contaminated clothing. Wash hands before each break and at the end of work. Do not breathe gases/ vapours/ spray. Avoid contact with eyes and skin. Avoid contact with eyes.

Respiratory protection:



In case of brief exposure or low pollution use respiratory filter device; in case of intensive or prolonged exposure, use a respiratory protective device independent of the ambient air. *

Filter A2/P3.*

Hands protection:



Protective gloves.*

Material of gloves:*

Butyl rubber.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of the glove material *:

Butyl rubber gloves, 0.4 mm thick, resistant to:

Acetone: 480 min.

Butyl acetate: 60 min.

Ethyl acetate: 170 min.

Xylene: 42 min.

0.4 mm thick butyl rubber gloves are resistant to solvents for 42-480 minutes. For safety reasons, we recommend that users and persons responsible for safety assume a solvent resistance time of 42 minutes. Taking into account the data contained in section 3 of this MSDS, a longer resistance time can be assumed in special cases.

Eyes protection:



Tightly sealed protective glasses*.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties*

Physical state

pressurized liquid (aerosol)

Colour

according to specification

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Odour	solvent like*
Odour threshold	not specified
Melting/freezing point °C	not specified
Boiling point or initial boiling point and boiling range*	not applicable
Flammability (solid, gas)	not applicable*
Explosion limits:	
Bottom:	0.6 vol % (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane*)
Top:	13.0 Vol % (67-64-1 acetone*)
Flash point	not applicable*
Combustion temperature*	>200 °C
pH	not applicable (the mixture is not soluble (in water)*)
Viscosity (kinematic / dynamic)	not specified
Solubility in water	Not miscible or difficult to mix.*
n-octanol/water partition coefficient	not specified
Vapour pressure	3500 hPa (20°C)
Density	approx. 0.8 g/cm ³ (20°C)*
Relative density	not specified.
Vapour density	not specified*

9.2. Other information

Appearance:
Form: aerosol

Important information on health and environment protection and safety*:

Explosive properties: not specified*

Solvent content*:

Organic solvents* 71.4 %

VOC (EC)*.

545.3 g/l

VOC-EU%*

71.38%

Solids content*

28.6 %

Evaporation rate

not applicable

Information with regard to physical hazard classes*:

Explosives	none
Flammable gases	none
Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
Oxidising gases	none
Gases under pressure	none
Flammable liquids	none
Flammable solids	none
Self-reactive substances and mixtures	none
Pyrophoric liquids	none
Pyrophoric solids	none
Self-heating substances and mixtures	none
Substances and mixtures which emit flammable gases in contact with water	none
Oxidizing liquids	none
Oxidising solids	none
Organic peroxides	none
Substances corrosive to metals	none
Desensitised explosives	none

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant data available.*

10.2. Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used as intended.*

10.3. Possibility of hazardous reactions

Hazardous reactions unknown.*

10.4. Conditions to be avoided

No further relevant data available.*

10.5. Incompatible materials

No further relevant data available.*

10.6. Hazardous decomposition products

Hazardous decomposition products unknown.*

SECTION 11: TOXICOLOGICAL INFORMATION

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

a) Acute toxicity

Based on available data the classification criteria are not met.*

Relevant classified LD/LC50 values:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane*

LD₅₀ (rat, oral) >5840 mg/kg

LD₅₀ (rabbit, skin) >2920 mg/kg

LC₅₀ (rat, inhalation) >25.2 mg/l

Acetone 67-64-1

LD₅₀ (rat, oral) 5800 mg/kg

LD₅₀ (rabbit, skin) >15800 mg/kg*

LC (rat, inhalation) 76 mg/l /4h*

b) Skin corrosion/irritation

Causes skin irritation.

c) Serious eye damage/eye irritation

Causes eye irritation.

d) Allergic effect on airways or skin

The mixture is not classified as sensitizing. No data confirming the hazard class.

e) Mutagenic effect on germ cells

The mixture is not classified as mutagenic. No data confirming the hazard class.

f) Carcinogenicity

The mixture is not classified as carcinogenic. No data confirming the hazard class.

g) Harmful effect on reproduction

The mixture is not classified as having harmful effect on reproduction. No data confirming the hazard class.

h) Specific target organ toxicity – single exposure

May cause drowsiness or dizziness.

i) Specific target organ toxicity – repeated exposure

No data confirming the hazard class.

j) Aspiration hazard

No data confirming the hazard class.

11.2. Information on other hazards*

None of the components is listed.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane*

EC50 / 48 h 3 mg/l (daphnia magna)

EC50 / 72 h 30-100 mg/l (algae)

LC50 / 96 h 11.4 mg/l (fish)

67-64-1 Acetone

LC50 / 96 h 8300 mg/l (fish)*

EC50 / 96 h 7200 mg/l (algae)*

LC50 / 48 h 8450 mg/l (crustacean (water flea))*

12.2 Persistence and degradability

No data.

12.3. Bioaccumulative potential

No data.

12.4. Mobility in soil

No data. *

12.5. Results of PBT and vPvB assessment

Not applicable*

12.6. Endocrine disrupting properties*

The product does not contain substances with endocrine disrupting properties.

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12.7. Other hazardous effects*

Warning: Poisonous to fish.*

Further ecological information*:

General information:

Water hazard class 2 (Self-assessment): hazardous to water.
Do not allow the product to reach ground water, surface water or sewage system.
Dangerous to drinking water if even small quantities leak into the ground.
Poisonous to fish and plankton in water reservoirs.
Poisonous to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation*:

Must not be disposed together with household garbage. Prevent from reaching sewage system.

Contaminated packaging*:

Recommendation: Dispose of according to applicable regulations.

SECTION 14: TRANSPORT INFORMATION

ADR, IMDG, IATA

14.1 UN number

UN 1950

14.2. UN proper shipping name

ADR 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS*

IMDG AEROSOLS, MARINE POLLUTANT *

IATA AEROSOLS, flammable*

14.3. Transport hazard class (-es)

ADR*



Class 2 5F gases
Label 2.1

IMDG*



Class 2.1 gases
Label 2.1

IATA*



Class 2.1 gases
Label 2.1

14.4. Packaging group

14.5. Environmental hazards

Marine pollutants: Yes.

Symbol (fish and tree)*

Special labelling (ADR): Symbol (fish and tree)*

14.6. Special precautions for users

Hazard identification number (Kemler code)*: -

EMS Number*: F-D,S-U

Stowage Code*: SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

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Segregation Code*: SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS:
Segregation as for the appropriate subdivision of class 2.

14.7. Sea transport in bulk in accordance with IMO instruments*

Not applicable.

Transport/ further information*:

ADR

Limited Quantities (LQ)

Excepted quantities (EQ)

1L
Code: E0
Not permitted as Excepted Quantity
Code: E0
Not permitted as Excepted Quantity

Transport category

Tunnel restriction code

2
D

IMDG

Limited quantities (LQ)

Excepted quantities (EQ)

1L
Code: E0
Not permitted as Excepted Quantity
Code: E0
Not permitted as Excepted Quantity

UN "Model Regulation":

UN 1950 AEROSOLS, 2.1, ENVIRONMENTALY HAZARDOUS

SECTION 15: REGULATORY INFORMATION

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

- Government Statement of February 16, 2009 on the entry into force of amendments to Annexes A and B of the European Agreement on the International Carriage of Dangerous Goods by Road (ADR), drawn up in Geneva on September 30, 1957. [Journal of Laws of 2019, No 27, item 162].
- 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 as amended.
- Regulation of the European Parliament and of the Council (EC) No. 1272/2008 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 1907/2006.
- Commission Regulation (EC) No. 453/2010 of 20 May 2010. amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Authorization and Restriction of Chemicals (REACH).

Directive 2012/18/EU*

Indicated dangerous components- ANNEX I None of the components are listed.

Seveso category: P3a FLAMMABLE AEROSOLS

E2 Hazardous to the aquatic environment

Qualifying quantity (tonnes) for the application of lower-tier requirements: 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements: 500 t

Regulation (EC) no 1907/2006 ANNEX XVII: Restriction conditions: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II: none of the components is listed.

REGULATION (EU) 2019/1148*

Regulation (EC) No 273/2004 on drug precursors: 67-64-1 Acetone

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors: 67-64-1 Acetone

National regulations*:

Other Laws, Restrictions and Prohibitive Laws:

Substances of Very High Concern (SVHC) according to REACH, Art. 57: None of the components are listed

15.2. Chemical safety assessment

Not performed.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge; however it does not definitively define the production characteristics and cannot be used as a justification for valid contracts.*

Full text of hazard statements mentioned in section 2 - 15 of the Sheet:

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.*

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H280	Contains gas under pressure: may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes eye irritation.*
H335	May cause respiratory irritation.*
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long-lasting effects.
Aerosol 1:	Aerosols – Category 1*
Press. Gas (Comp.):	Gases under pressure - Compressed gas*
Flam.Liq.2	Flammable liquids , cat. 2
Flam. Liq. 3:	Flammable liquids – Category 3*
Skin Irrit. 2	Skin corrosion/irritation, cat. 2,
Eye Irrit. 2:	Serious eye damage/eye irritation – Category 2*
Asp. Tox. 1	Acute toxicity, cat. 1
STOT SE 3	Specific target organ toxicity – single exposure, cat. 3.
Aquatic Chronic 2	Hazardous to the aquatic environment, kat. 2

Explanation of abbreviations and acronyms:

CAS no – numerical symbol ascribed to a chemical substance by the American organization Chemical Abstracts Service (CAS).

EC no - a - number ascribed to a chemical substance in the European List of Existing Chemical Substances (EINECS), or a number in the European Inventory of Notified Chemical Substances, mentioned in "No-longer polymers" publication (EINECS) or a number on the list of chemicals listed in 'No-longer polymers'.

MPC- maximum permissible concentration of health hazardous substances in the work place

MPIC Maximum Permissible Instantaneous Concentration.

NDSP Maximum Permissible Ceiling Concentration.

PBC Permissible concentration in biological material

UN number - four-digit identification number of a substance, preparation or product pursuant to UN model regulations

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road.

IMO - International Maritime Organization

RID - Regulations for the international carriage of dangerous goods by rail.

IMDG-Code – International Marine Code of Dangerous Goods.

ICAO/IATA - Technical Instructions for the Safe Transport of Dangerous Goods by Air.

Classification was made using the calculation method in accordance with the classification rules contained in Regulation No. 1272/2008 / EC.

Other data sources:

ECHA European Chemicals Agency

TOXNET Toxicology Data Network

Changes in the Sheet compared to the previous version:

Update of sections:

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 (marked with the symbol*):

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, 6.2, 6.3, 6.4, 7.1, 7.2, 8.1, 8.2, 9.1, 9.2, 10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 11.1, 11.2, 12.1, 12.4, 12.5, 12.6, 12.7, 13.1, 14.2, 14.3, 14.5, 14.6, 14.7, 15.1, 16.

General update.

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