

FAST WAX – PROTECTIVE WAX COATING SPRAY

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

1.1. Product identification

FAST WAX – PROTECTIVE WAX COATING SPRAY

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

Area of use

- SU3 Industrial uses: use of the substance as such or in form of preparations in industrial facilities.
SU22 Professional uses: Professional uses: Public domain (administration, education, entertainment, services, craftsmen).
SU21 Consumer uses: households / general public / consumers.

Product category

- PC31 Polishes and Wax Blends.
PC35 Washing and Cleaning Products (including solvent based products).

Process category

- PROC7 Industrial spraying.
PROC11 Non industrial spraying.

The use of substance/preparation

Cleaning agent for vehicle exterior.

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

The mixture is classified as dangerous according to current regulations – see section 15 of the Material Safety Data Sheet.

Classification 1272/2008/EC:



GHS02 flame

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

2.2. Label elements

Labelling according to Regulation (EC) no 1272/2008:
The product is classified and labelled according to CLP regulation.

Hazard pictograms:



GHS02

Signal word: **Danger.**

Hazard statements

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

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.
P251 Do not pierce or burn, even after use.

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P211 Do not spray over open flame or other ignition source.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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

Product identification:

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

Butane (1,3 Butadiene <0,1%)
10-<25%
CAS: 106-97-8
EINECS: 203-448-7
Reg. no.: 01-2119474691-32
Flam. Gas 1, H220; Press. Gas C, H280

Propane
2,5-<10%
CAS: 74-98-6
EINECS: 200-827-9
Reg. no.: 01-2119486944-21
Flam. Gas 1, H220; Press. Gas C, H280

Directive (EC) No. 648/2004 on detergents / Labeling regarding contents:

Aliphatic hydrocarbons: ≥15 - <30%
Nonionic surfactants, fragrances
(AMYL CINNAMAL, AMYL CINNAMAL), ETHYLISOTHIAZOLINONE: <5%

Full text of hazard statements provided in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:
See section 11 of the Sheet.

After inhalation:

Supply fresh air, in case of complaints consult a doctor.

After contact with skin:

In general the product does not cause skin irritation.

After contact with eyes:

Rinse the eyes with the eyelids wide open for several minutes with running water.

After ingestion:

Do not induce vomiting and 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

Useful extinguishing media:

Water mist.
Extinguishing powder.
Carbon dioxide.
Foam resistant to alcohol.

Extinguishing media useless due to safety reasons:

Full jet of water.

5.2. Special hazards arising from the substance or mixture

No further relevant data available.

5.3. Advice for firefighters

Special protective equipment:
Wear respiratory protection device.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

Wear protective clothes. Remove unprotected persons to a safe place.

6.2. Environmental precautions

Prevent release into sewage system or water reservoirs.
In case of release into water reservoirs or sewage system inform adequate authorities.
Prevent contamination of sewage system / surface water / ground water.

6.3. Methods and materials for containment and cleaning up

Ensure sufficient ventilation. Do not rinse with water or water based agents.

6.4. Reference to other sections

Information on safe handling – see section 7.
Information on personal protection equipment – see section 8.
Information on disposal – see section 13.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Ensure good ventilation /exhaustion in the place of work.
Open and handle the containers carefully.

Precautions for prevention of fires and explosions:

Do not spray over flames or incandescent materials.
Keep away ignition sources – do not smoke.
Take precautions against electrostatic charges.
Caution: Pressurized container. Protect from sunlight and temperatures exceeding 50°C.
Do not open violently or burn even after use.

7.2. Conditions for safe storage including any incompatibilities

Requirements for storerooms and containers:
Store in a cool place. Comply with the regulations concerning storage of pressurized containers.

Requirements for common storage:

Comply with the regulations concerning storage of pressurized containers.

Other requirements concerning storage conditions:

Store the container tightly closed. Do not close the container gas-tight.
Store in well closed barrels in a cool and dry place.
Protect from heat and direct sunlight.

7.3. Special end use(s)

No further relevant data available.

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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)
106-97-8	butane (1,3 Butadiene <0,1%)	1900	3000	---
74-98-6	propane	1800	---	---

Additional information: Currently binding lists were used as basis.

8.2. Exposure control

Personal protective equipment:

General measures of protection and hygiene:

Wash hands before breaks and at the end of work.

Do not breathe gases/vapours/aerosols.

Respiratory protection:

In case of short time or slight exposure use filtering device for breathing; in case of intense or long-term exposure use self-contained breathing apparatus.

In case of insufficient ventilation use respiratory protection.

Filter A/P2.

Hand protection:

The glove material must be impermeable and resistant to the product / the substance / the preparation.

In the absence of testing, no recommendation can be given on gloves material for protection against the product / preparation / mixture of chemicals.

Wear gloves to protect against chemicals according to EN 374.



Protective gloves

Gloves resistant to solvents.

The choice of gloves' material considering breakthrough time, penetration rate and degradation.

Material of gloves:

The choice of gloves' material depends not only on the material, but also on other quality features and varies depending on the producer. As the product is a mixture of several substances, resistance of the materials of the gloves cannot be checked in advance, therefore it must be checked before use.

Nitrile rubber.

Recommended thickness of the material: 0,5 mm

Penetration time for the gloves' material:

For continuous contact, it is recommended to use gloves with a tensile strength of not less than 240 minutes, with priority penetration time over 480 minutes. For short-term exposure or protection against splash we recommend the same. We understand that gloves that offer this level of protection may not be in stock. In this case, a shorter breakthrough time is permissible if procedures regulating maintenance and timely replacements are observed. Thickness of the gloves is not a good measure of their resistance against chemicals, because it depends on the exact composition of the material from which the gloves are made.

The exact breakthrough time should be obtained from the glove manufacturer and respected.

Eye protection:



Protective glasses (EN-166).

Tightly sealed protective glasses.

Body protection:

Wear protective clothes (EN-13034/6).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:	Aerosol
Colour:	According to product name
Odour:	Characteristic
Odour threshold:	Not specified.

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pH value:	Not specified.
Change of state	
Melting/freezing point:	Not specified.
Initial boiling point and boiling range:	-0.5°C
Flash point:	-97°C
Flammability (solid, gas):	Not applicable.
Combustion temperature:	236°C
Auto ignition point:	The product is not self igniting.
Explosive properties:	The product is not explosive, but formation of explosive vapours/ air mixtures.
Explosion limits:	
Bottom:	0.7 Vol %
Top:	10.9 Vol %
Vapour pressure at 20°C:	2100 hPa
Density at 20°C:	0.85 g/cm ³
Relative density:	Not specified.
Vapour density:	Not specified.
Evaporation rate:	Not applicable.
Solubility in/ miscibility with:	
Water:	Not miscible or poorly miscible.
n-octanol/water partition coefficient:	Not specified.
Viscosity:	
Dynamic:	Not specified.
Kinetic:	Not specified.
Solvent content:	
organic solvents:	28.5 %
water:	67.7 %
Solids content:	1.6 %

9.2. Other information

No further relevant data available.

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 toxicological effects

Acute toxicity:

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

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Relevant classified LD/LC50 values:

Hydrocarbons C10-Z13, n-alkanes, cyclics, <2% aromatic, benzene <0,1%

Oral	LD50	>5000 mg/kg	(rat)
Dermal	LD50	>5000 mg/kg	(rabbit)
Inhalation	LC50/4h	>4951 mg/l	(rat)

Primary irritant effect: Effect/Type/Method:

Caustic/irritating effect on skin:

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

Serious eye damage / eye irritation:

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

Allergic effect on respiratory system or skin:

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

Carcinogenicity, mutagenicity and harmful effect on reproduction (CMR):

Mutagenicity of germ cells:

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

Carcinogenicity:

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

Harmful effect on reproduction:

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

Toxic effect on target organs – single exposure:

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

Toxic effect on target organs – repeated exposure:

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

Aspiration hazard:

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

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

Hydrocarbons C10-Z13, n-alkanes, cyclics, <2% aromatic, benzene <0.1%

EL0 (48 h)	1000 mg/l (Dm)
EL0 (72 h)	1000 mg/l (<i>Pseudokirchneriella subcapitata</i>)
LL0 (96 h)	1000 mg/l (<i>Oncorhynchus mykiss</i> (96h))

12.2. Persistence and degradability

Easily biodegradable.

12.3. Bioaccumulative potential

No further relevant data available.

12.4. Mobility in soil

No further relevant data available.

Further ecological information

General information:

Water hazard class 1 (self assessment): slightly harmful to water.

Do not allow undiluted product or its large quantities to get into ground water, surface water or sewage system.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other hazardous effects

No further relevant data available.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Prevent the product from entering the sewage system.

Uncleaned container:

Recommendation: Dispose off according to current regulation.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

· ADR, ADN, IMDG, IATA

UN1950

14.2. UN proper shipping name

ADR, ADN	UN1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable

14.3. Transport hazard class (-es)

ADR



Class	2.5F gases
Label	2.1

ADN

Class ADN/R:	2.5F
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IMDG, IATA



Class	2.1
Label	2.1

14.4. Packaging group

ADR, IMDG, IATA

None.

14.5. Environmental hazard

Marine pollutant:

No.

14.6. Special precautions for user

Kemler's Code: -

· **EMS number:**

· **Stowage Code:**

· **Segregation Code:**

F-D,S-U

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.

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.

Transport/ further information:

· **ADR**

· **Excepted Quantity (EQ)**

· **Tunnel restriction code**

Code: E0

Not permitted as Excepted Quantity

D

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- **IMDG**
- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity
- **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

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**

- 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 L268 of October 09 2008, Official Journal of EU L 46 of February 17 2009, Official Journal of EU L164 of June 26 2009, Official Journal of EU L133/1 of May 31 2010 with following amendments.
- 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) Official Journal of EU L 132 of May 29 2015.
- 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); Official Journal of EU L 235 of September 5 2009, Official Journal of EU L 83 of March 30 2011, Official Journal of EU L 179 of July 11 2012, Official Journal of EU L 149 of June 1 2013, Official Journal of EU L 261 of October 3 2013, Official Journal of EU L 167 of June 2014, Official Journal of EU L 197 of July 25 2015.

Commission Regulation 2012/18/EU**Indicated hazardous substances – ANNEX I:**

none of the components is on the list.

Seveso Category:

P3a AEROSOLS FLAMMABLE

Threshold quantities (tonnes) related to the application of requirements for higher risk plants:

150 t

Threshold quantities (tonnes) related to the application of requirements for high risk plants:

500 t

Regulation (EC) no 1907/2006 ANNEX XVII:

Restriction conditions: 3

National regulations:**Class share %**

Wasser 50-<75

NK 25-<50

VOC-CH 28,50 %**VOC-EU** 241,1 g/l**Danish MAL Code** 5-3**15.2. Chemical safety assessment**

Chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

This data is based on our current knowledge, but it does not definitively determine production properties and cannot justify valid contracts.

Relevant phrases

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

Flam. Gas 1: Flammable gas – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas C: Pressurized gas – Compressed gas

Explanation of abbreviations and acronyms used in the Material Safety Data Sheet:**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 Inventory of Existing Chemical Substances (EINECS), in the European List of Notified Chemical Substances (ELINCS) or a number in the list of chemical substances contained in the publication „No-longer polymers“.**MPC** maximum permissible concentration of health hazardous substances in the work place.**MPIC** maximum permissible instantaneous concentration.**MPCC** 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.

Classification based on calculation method according to classification rules included in Regulation 1272/2008/EC.

Other data sources:

ECHA European Chemicals Agency

TOXNET Toxicology Data Network

Changes in the Sheet: none.

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