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

1.1. Product identification **ACRYLIC COAT BLACK GLOSS SPRAY**

UFI: PNX0-K02T-R002-1YSS

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

Recommended use: Car repair.

Uses advised against: Each type of use not mentioned above or in section 7.3 of MSDS.

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*: Coating spray.

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

EC Regulation 1272/2008(CLP):



GHS02 flame* Aerosol 1

H222-H229 Extremely flammable aerosol. Container under pressure: may explode if heated.*



GHS07 *

Eye Irrit. 2 H319 Causes eye irritation. *

STOT SE 3 H336 May cause drowsiness or dizziness. *

2.2. Label elements

EC Regulation 1272/2008(CLP).

Pictograms:





Signal word: Danger

Substances relevant for classification*:

Acetone.

Butyl acetate.

2-methoxy-1-methylethyl acetate*.

Butan-1-ol*.

Hazard statements:

H222: Extremely flammable aerosol.

H229: Container under pressure, may explode if heated.

H319: Causes eve irritation.

H336: May cause drowsiness or dizziness.



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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 sources, hot surfaces, sources of sparks, open flames and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: 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 the contents/container to containers in accordance with the regulations on hazardous waste or containers and

waste in containers, respectively.

Additional information:

EUH066: Repeated exposure may cause skin dryness or cracking.

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

2.3. Other hazards

The product does not meet the criteria of PBT/vPvB.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Description: Mixture based on chemical products.

Components: According to Annex II to Regulation (EC) No. 1907/2006 (point 3), the product contains:

Substance name Concentration [% weight]

Concentration [% weight] Identification numbers Classification and labelling

Acetone¹

25 - <50% EC: 200-662-2 CAS: 67-64-1

Index no: 606-001-00-8

REACH: 01-2119471330-49-XXXX

Regulation 1272/2018: Eye Irrit. 2, H319; Flam. Liq. 2, H225; STOT SE 3, H336; EUH066 - Danger.

Butyl acetate

12.5-<20% * EC: 204-658-1 CAS: 123-86-4

Index no: 607-025-00-1

REACH: 01-2119485493-29-XXXX

Regulation 1272/2018: Flam. Liq. 3, H226; STOT SE 3, H336; EUH066 - Warning.

Propane*

10 - <12.5 % EC: 200-827-9 CAS: 74-98-6

Index no: 601-003-00-5 REACH: 01-2119486944-21

Regulation 1272/2018: Flam. Gas 1A, H220, Press. Gas (Comp.), H280.

2-methoxy-1-methylethyl acetate

5 - <10%

EC: 203-603-9 CAS: 108-65-6

Index no: 607-195-00-7

Reach: 01-2119475791-29-XXXX

Regulation 1272/2018: Flam. Liq. 3, H226- Warning.

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

5-< 10% EC: 203-448-7 CAS: 106-97-8

Index no: 601-004-00-0 Reg. no: 01-2119474691-32

Regulation 1272/2018: Flam. Gas 1A, H220, Press. Gas (Comp.), H280.

Nitrocellulose *

<2.5 %

CAS: 9004-70-0

Regulation 1272/2018: Expl. 1.1, H201

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Butan-1-ol

<2.5% * EC: 200-751-6 CAS: 71-36-3

Index no: 603-004-00-6

REACH: 01-2119484630-38-XXXX

Regulation 1272/2018: Acute Tox. 4: H302; Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3:

H336- Danger

Propane-2-ol

<2.5% * EC: 200-661-7 CAS: 67-63-0

Index no: 603-117-00-0

REACH: 01-2119457558-25-XXXX

Regulation 1272/2018: Eye Irrit. 2, H319; Flam. Liq. 2, H225; STOT SE 3, H336 - Danger.

Additional information*: CAS 9004-70-0: CLP Note T

More information on hazards and H-phrases is given in sections: 8, 11, 12, 15 and 16 of the MSDS.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

After inhalation: Supply fresh air, in case of disturbances, consult a doctor.*

After contact with skin: In general the product does not irritate skin.*

After contact with eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*

After swallowing: 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 data.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

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, protective 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

The product is not classified as hazardous. Prevent contamination of ground and surface waters, watercourses, soil and sewage system.

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. Information on personal protective measures see section 8. Information on disposal see section 13. *

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

A. Precautions necessary for safe handling of the product: 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. ACRYLIC COAT BLACK GLOSS SPRAY

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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 container tightly sealed.

Storage class*: 2 B

7.3. Special end use (s)

Apart from the indications already mentioned, it is not necessary to follow any specific recommendations concerning the application of the product.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. Control parameters

Components with limit values that require monitoring depending on the workplace*:

CAS NUMBER	SUBSTANCE	MPC (mg/m³)	MPIC (mg/m ³)	
67-64-1 Acetone	600 1800			
123-86-4	Butyl acetate	240	720	
74-98- 6	Propane	1800		
108-65-6	2-methoxy-1-propyl acetate	260	520	Skin
106-97-8	Butane	1900	3000	
71-36-3	Butane-1-ol	50	150	skin
67-63-0	Propane -2-ol	900	1200	skin
	•			

Additional information: The currently valid lists were used as 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.

Eye and face protection:



Tightly sealed protective glasses.*



ACRYLIC COAT BLACK GLOSS SPRAY

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties*

Physical aspect:

Physical state 20°C: Aerosol Appearance: Volatile Colour: black. Odour Solvent Odour threshold: not specified Melting/freezing point: no data

Boiling point or initial boiling point

and boiling range*: not applicable for aerosols.

Flammability of materials*: not applicable

Bottom Explosion limit: 1.2 Vol % (123-86-4 butyl acetate)*

13 Vol % (67-64-1 acetone)* Top explosion limit:

Flash point: not applicable for aerosols. *

333 °C (108-65-6 2-methoxy-1-methylethyl acetate) Combustion temperature*:

Breakdown point no data

pH: The mixture is not soluble (in water). *

Dynamic viscosity: no data Kinematic viscosity: no data

Solubility in water 20°C: Not miscible or difficult to mix*

n-octanol/water partition coefficient (log value*): not specified. Vapour pressure at 20 °C: 3500 hPa* 0.7 g/cm³* Density 20°C: Relative density 20°C: no data Vapour density 20°C:

9.2 Other information

Appearance:

Aerosol Form:

Important information on health and environment protection and safety*: Explosive properties: Not specified.

91.9%. Solvent content: Organic solvents:

Water: 0.3 % VOC (EC)

683.5 g/l

VOC-EU% 91.93%

Solids content: 7.6%.

Change of state:

Evaporation rate: Not applicable.

Information with regard to physical hazard classes*:

Explosives: none Flammable gases: none

Aerosols: Extremely flammable aerosol. Pressurized container: May burst if

heated.

no data

Oxidizing 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: none Oxidizing liquids: none none none

Oxidizing solids: Organic peroxides: 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

The product is chemically stable conditions of storage and use.

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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*

Relevant classified LD/LC50 values*:

67-64-1 Acetone

Oral: LD50 5800 mg/kg (rat) Skin: LD50 >15800 mg/kg (rabbit) Inhalation: LC50 / 4h 76 mg/l (rat)

123-86-4 Butyl acetate

(rat) (OECD 401) Oral: LD50 10800 mg/kg Skin: LD50 >17600 mg/kg (rabbit) Inhalation: LC50/4h $>21 \text{ mg/m}^{3}$ (rat)

108-65-6 2-methoxy-1-methylethyl acetate

8530 mg/kg Oral: LD50 (rat) Skin: LD50 >5000 mg/kg (rabbit) Inhalation: LC50/4h >10000 mg/m³ (rat)

71-36-3 butan-1- ol

Oral: LD50 2292 mg/kg (rat) Skin: LD50 3430 mg/kg (rabbit) Inhalation: LC50/4h 17000 mg/m³ (rat)

67-63-0 propan-2-ol

5840 mg/kg Oral: LD50 (rat) Skin: LD50 13900 mg/kg (rabbit) Inhalation: LC50 >25 mg/l (Rat)

LC50: 6 h

Skin corrosion/irritation: Based on available data, the classification criteria are not met. No irritating effect.

Serious eye damage/eye irritation: Causes eye irritation.

Allergic effect on airways or skin: Based on available data, the classification criteria are not met. No allergic effects known.

Mutagenic effect on germ cells: Based on available data, the classification criteria are not met.

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

Reproductive toxicity Based on available data the classification criteria are not met. Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data the classification criteria are not met.

11.2. Information on other hazards*

Endocrine disrupting properties: None of the components is listed

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity*:

67-64-1 Acetone

LC50/96h 8300 mg/l (fish) EC50/96h 7200 ma/l (algae)

LC50 / 48 h 8450 mg/l (crustacean (water flea) 2-methoxy-1-methylethyl acetate 108-65-6 EC50 / 48 h >500 mg/l (daphnia magna)

LC50 / 96 h 100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)

71-36-3 butan-1- ol

LC50 / 96 h 1376 mg/l

67-63-0 propan-2-ol

(Pimephales promelas; 96h) 9640 mg/l

LC50/96h LC50 / 24 h 9714 mg/l (daphnia magna)

12.2. Persistence and degradability

No further relevant data available.*

12.3 Bioaccumulative potential

No further relevant data available.*



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12.4 Mobility in soil

No further relevant data available.*

12.5 Results of PBT and vPvB assessment

The product does not meet the criteria of PBT/vPvB.

12.6 Endocrine disrupting properties*

The product does not contain substances with endocrine disrupting properties.

12.7. Other hazardous effects*

Further ecological information*:

General information:

Water hazard class 1 (in Self-assessment): slightly hazardous to water.

Do not allow undiluted product or large quantities of the product to enter groundwater, surface water or the sewage system.

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

14.1. UN number or ID number*

ADR, IMDG, IATA: UN 1950

14.2. UN proper shipping name*

ADR: 1950 AEROSOLS IMDG: AEROSOLS

IATA: AEROSOLS, flammable

14.3 Transport hazard class (-es)*

ADR: 2 5F Gases IMDG, IATA: 2.1 gases

Labels: 2.1



14.4. Packaging group

None *

14.5. Environmental hazards

14.6. Special precautions for users

Warning: gases

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.

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): 1L

Excepted Quantities (EQ): Code: E0 Not permitted as Excepted Quantity

Transport category: 2 Tunnel restriction code: D MATERIAL SAFETY DATA SHEET Date of issue: 24/05/2018 Updating date: 13/07/2022

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IMDG:

Limited Quantities (LQ): 1L Excepted Quantities Code: E0 Not permitted as Excepted Quantity

Code: E0

Not permitted as Excepted Quantity

UN 'Model Regulation': UN 1950 AEROSOLS, 2.1,

SECTION 15: REGULATORY INFORMATION

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

1 Regulation (EC) No. 1907/2006 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 (EC) 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, amended

2 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.

3 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)

Council Directive 2012/18/EU:

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

Seveso category: P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements: 150t Qualifying quantity (tonnes) for the application of upper-tier requirements: 500t

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: 3

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: 3

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

Chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

Provisions regarding the Safety Data Sheets:

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.

Texts of the regulation mentioned in section 2*:

H201 Explosive: mass explosion hazard.

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Texts of the regulation mentioned in section 3:

These phrases do not refer to the product itself, they are for informational purposes only and refer to individual components mentioned in section 3 of this MSDS.

Abbreviations used in the text:

Supp. Class.: Supplier classification

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

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

COD Chemical oxygen demand (COD). BOD: Biochemical oxygen demand (BOD) within 5 days.

BCF: Bioconcentration factor

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Log POW: octanol/water partition coefficient.

MPC: Maximum permissible concentration.

MPIC: Maximum Permissible Instantaneous Concentration.

EC50: effective concentration (the concentration of the component at which 50% of the organisms show an effect within a specified time).

LD50: medial lethal dose.

LC50: medial lethal concentration. EC50: medial effective concentration.

PBT: Bioaccumulative potential of toxic substances.

vPvB: very high potential of toxic substances to bioaccumulate.

PPM: personal protection measures.

STP: sewage treatment plant.

Henry: the solubility of a given component in solution as a function of the partial pressure of that component above the solution.

EC: EINECS and ELINCS number (see also EINECS and ELINCS).

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European Inventory of Notified Chemical Substances.

CEN: European Committee for Standardization.

STOT: Specific target organ toxicity.

Koc: the partition coefficient normalized for the content of organic carbon; it determines the degree of absorption of organic substances in

the soil.

DNEL: Derived no effect level of exposure. PNEC: Predicted no-effect concentration.

The information contained in this Safety Data Sheet is based on sources and technical knowledge and applicable law at European and national level, and its accuracy cannot be fully guaranteed. This information cannot be treated as a guarantee of the properties of the product, as it is only about the description of safety requirements. The working methods and conditions of users of this product are beyond our knowledge and control, and it is the user's responsibility to take appropriate measures to comply with legal requirements regarding the handling, storage, use and disposal of chemical products. The information contained in this Material Safety Data Sheet relates only to the given product, which must not be used for purposes other than those specified therein.

Other data sources:

ECHA European Chemicals Agency **TOXNET** Toxicology Data Network

Changes in the Sheet:

Update of sections:

9: rewording of sub-section 9.1: 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: added subsection 11.2. Information on other hazards

12: new subsection 12.6: Endocrine disrupting properties.

14: rewording of sub-section 14.1: UN number or ID number; rewording of sub-section 14.7: Sea transport in bulk in accordance with IMO instruments.

Changes in the content of sections:

1.2, 2.1, 2.2, 3.2, 4.1, 4.2, 5.1, 5.2, 5.3, 6.1, 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, 12.2, 12.3, 12.4, 12.6, 12.7, 13.1, 14.1, 14.2, 14.3, 14.4, 14.6, 14.7, 15.1, 16. General update.

Sheet number: 07-2N6L-0723-V5