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

1.1. Product identification
ACRYLIC COAT BLACK MAT
UFI: 2FU0-U0J4-D00S-JC7D

1.2. Relevant identified uses of the substance or mixture and uses advised against
Quick-drying paint for covering various surfaces inside and outside (spray).

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
The mixture is classified as hazardous.

Classification according to the Regulation (EC) no 1272/2008:
Aerosol 1*, H222- H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
Eye Irrit. 2 H319 Causes eye irritation.
STOT SE 3 , H336 May cause drowsiness or dizziness.
EUH 066 Repeated exposure may cause skin dryness or cracking.

2.2. Label elements
EC Regulation 1272/2008(CLP).

Contains:
Acetone. Butyl acetate. 2-methoxy-1methylethyl acetate*. Butan-1-one.

Pictograms:

GHS02 GHS07
Signal word: **DANGER**

Hazard statements:

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H319	Causes eye irritation.
H336	May cause drowsiness or dizziness.

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 sources of heat/sparks/open flames/hot surfaces. 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.
P501	Provide the contents and container to an authorized waste recipient

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 in accordance with Annex XIII of the REACH Regulation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable.

3.2. Mixtures*

Component name Registration number	% weight	CAS No.	EC No.	Index no	Classification according to the Regulation no 1272/2008
Acetone 01-2119471330-49-XXX	25-<50*	67-64-1	200-662-2	606-001-00-8	Flam. Liq.2, H225, Eye Irrit. 2, H319, STOT SE 3, H336, EUH066*
Butyl acetate 01-2119485493-29-XXXX	12.5-<20*	123-86-4	204-658-1	607-025-00-1	Flam. Liq. 3, H226, STOT SE 3, H336, EUH066*
Propane* 01-2119486944-21	10-12.5	74-98-6	200-827-9	601-003-00-5	Flam. Gas 1A, H220, Press. Gas (Comp.), H280.
2-methoxy-1-methylethyl acetate* 01-2119475791-29	5-<10	108-65-6	203-603-9	607-195-00-7	Flam. Liq. 3, H226, STOT SE 3, H336
Butane (containing <0.1% butadiene (EC number 203-450-8))* 01-2119474691-32	5-<10	106-97-8	203-448-7	601-004-00-0	Flam. Gas 1A, H220, Press. Gas (Comp.), H280.
Isobutane (butadiene content (203-450-8) <0.1%)* 01-2119485395-27	5-<10	75-28-5	200-857-2	601-004-00-0	Flam. Gas 1A, H220, Press. Gas (Comp.), H280.
Nitrocellulose *	<2.5	9004-70-0	-	-	Expl. 1.1, H201
Butan-1-ol* 01-2119484630-38	<2.5	71-36-3	200-751-6	603-004-00-6	Flam. Liq. 3, H226, Eye Dam. 1, H318, Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336
Propane-2-ol* 01-2119457558-25	<2.5	67-63-0	200-661-7	603-117-00-0	Flam. Liq. 2, H225, Eye Irrit. 2, H319; STOT SE 3, H336

Additional information*:
CAS 9004-70-0: CLP Note T
Full text of H phrases provided in section 16 of the Sheet.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

After inhalation: Supply fresh air, in case of disturbances, consult a doctor.*
Ingestion: Drink plenty of water and get out into the fresh air. Immediately call a doctor.*
Contact with eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*
Contact with skin: In general the product does not irritate skin.*

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, 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
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*.
Information on appropriate personal protection equipment see section 8. Information on additional waste treatment is provided in section 13 of the MSDS.

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.

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)
No data.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. Control parameters

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

Acetone [CAS 67-64-1]	MPC– 600 mg/m^3	MPIC– 1800 mg/m^3	
Butyl acetate* [CAS 123- 86-4]	MPC –240 mg/m^3 *	MPIC– 720 mg/m^{3*}	
Propane [CAS: 74-98-6]	MPC - 1800 mg/m^3		
2-methoxy-1-methylethyl acetate* [CAS 108-65-6]	MPC– 260 mg/m^3	MPIC– 520 mg/m^3	
Butane (containing <0.1% of butadiene (EC no 203-450-8)*)[CAS: 106-97-8]	MPC– 1900 mg/m^3	MPIC– 3000 mg/m^3	
Butan-1-ol* [CAS 71-36-3]	MPC– 50 mg/m^3	MPIC– 150 mg/m^3	skin
Propane-2-ol* [CAS 67-63-0]	MPC– 900 mg/m3	MPIC– 1200 mg/m3	Skin

Additional information*:
The currently valid lists were used as basis.

8.2. Exposure control

Proper technical security:
No further data, see Section 7.*

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.

Eye or face protection:

*
In industrial conditions, use tight protective glasses (plastic frame resistant to organic solvents).

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 and skin protection:

*
Protective gloves resistant to organic solvents (e.g. made of butyl rubber)
The glove material has to be impermeable and resistant to the product. Selection of the glove material on consideration of the breakthrough times, rates of diffusion and degradation. Moreover, 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. Information on the exact penetration time should be obtained from the glove manufacturer and has to be observed.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties*

Physical appearance:	aerosol*
Colour:	black.
Odour:	solvent like*
Odour threshold*:	not specified
Melting /freezing point*:	not specified
Boiling point or initial boiling point and boiling range*:	not applicable for aerosols.
Flammability of materials:	not applicable*
Bottom and top explosion limit:	Bottom: 1.2 Vol % (123-86-4 butyl acetate)* Top: 13 Vol % (67-64-1 acetone)*
Flash point:	not applicable for aerosols.
Combustion temperature*:	333°C (108-65-6 2-methoxy-1-methylethyl acetate)
Breakdown point*:	not specified
pH*:	the mixture is not soluble (in water)
Viscosity*:	
Kinematic viscosity:	not specified
Dynamic:	not specified
Solubility*:	
Water:	not miscible or difficult to mix
n-octanol/water partition coefficient (log value):	not specified
Vapour pressure at 20 °C*:	3500 hPa
Density or relative density*:	
Density at 20°C:	0.7 g/cm^3*
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:	91.5%.
Water:	0.3 %
VOC (EC):	. 664.8 g/l
VOC-EU%:	91.51 %
Solids content:	7.9%.
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
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 in contact with water:	none
Oxidizing liquids:	none
Oxidizing solids:	none
Organic peroxides:	none
Substances corrosive to metals:	none
Desensitised explosives:	none

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data.

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*

Acute toxicity*: Based on available data, the classification criteria are not met.

Relevant classified LD/LC50 values*:

67-64-1 Acetone			
Oral	LD50	5800 mg/kg	(rat)
Dermal	LD50	>15800 mg/kg	(rabbit)
Inhalation	LC50/ 4h	76 mg/l	(rat)
123-86-4 Butyl acetate			
Oral	LD50	10800 mg/kg	(rat) (OECD 401)
Dermal	LD50	>17600 mg/kg	(rabbit)
Inhalation	LC50/4h	>21 mg/ m3	(rat)
108-65-6 2-methoxy-1-methylethyl acetate*			
Oral	LD50	8530 mg/kg	(rat)
Dermal	LD50	>5000 mg/kg	(rabbit)
Inhalation	LC50/4h	>10000 mg/ m^3	(rat)
71-36-3 butan-1- ol*			
Oral	LD50	2292 mg/kg	(rat)
Dermal	LD50	3430 mg/kg	(rabbit)
Inhalation	LC50/4h	17000 mg/m^3	(rat)
67-63-0 propan-2-ol*			
Oral	LD50	5840 mg/kg	(rat)
Dermal	LD50	13900 mg/kg	(rabbit)
Inhalation	LC50> 25 mg/l	25 mg/l	(rat)
LC 50: 6h			

Skin corrosion/irritation*: Based on available data, the classification criteria are not met. No irritating effect.
Serious eye damage/irritation*: Causes serious eye irritation.
Respiratory or skin sensitization*: 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.
Carcinogenic effect*: Based on available data, the classification criteria are not met.
Harmful effect on reproduction*: 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*
None of the components is listed.

SECTION 12: ECOLOGICAL INFORMATION

There are no experimental data on the ecotoxicological properties of the mixture itself.

12.1. Toxicity

Aquatic toxicity*:

67-64-1 Acetone

LC50/96h	8300 mg/l	(fish)
EC50/96h	7200 mg/l	(algae)
LC50 / 48 h	8450 mg/l	(crustacean (water flea)

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

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	(fish)

67-63-0 propan-2-ol

LC50/ 96 h	9640 mg/l	(Pimephales promelas; 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.*

12.4. Mobility in soil

No further relevant data available.

12.5. Results of PBT and vPvB assessment

Does not meet the PBT or vPvB criteria in accordance with Annex XIII.

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*: Dispose of according to applicable regulations.

SECTION 14: TRANSPORT INFORMATION

The product is subject to the regulations on the transport of dangerous goods contained in ADR (road transport), RID (rail transport), ADN (inland transport), IMDG (sea transport), ICAO / IATA (air transport).

14.1. UN number

UN 1950

14.2. UN proper shipping name

ADR*	1950 AEROSOLS
IMDG*	AEROSOLS
IATA*	AEROSOLS, flammable

14.3. Transport hazard class (-es)

ADR*:	Class: 2 5F Gases Labels: 2.1
IMDG, IATA*:	Class: 2.1 gases Label: 2.1

14.4. Packaging group

-

14.5. Environmental hazards

No.

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*
No data.

ADR*:	
Limited Quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
	Code: E0 Not permitted as Excepted Quantity
Transport category 2	
Tunnel restriction code	D
IMDG*:	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	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*

- 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 (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 1907/2006
- Commission Regulation (EU) 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 is 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
It has not been carried out*.

SECTION 16: OTHER INFORMATION

Full text of H phrases used in the text:

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.
EUH 066	Repeated exposure may cause skin dryness or cracking

Explanation of abbreviations and acronyms:

MPC	Maximum permissible concentrations
MPIC	Maximum Permissible Instantaneous Concentration.
MPCC	Maximum Permissible Ceiling Concentration.
vPvB	(Substance) Very Persistent and Very Bioaccumulative
PBT	(Substance) Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
DN(M)EL	No effect level
LD50	Dose at which death is observed of 50% of test animals
LC50	Concentration at which death is observed of 50% of test animals
ECX	Concentration at which X% decrease in growth or decrease in rate of growth is observed
LOEC	Lowest concentration producing an observable effect
NOEL	The highest concentration of a substance at which no effects are observed
RID	Regulations for the international carriage of dangerous goods by rail.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials

Training:
Before they start working with the product, the users should learn the Health and Safety regulations regarding handling chemicals, and in particular, undergo appropriate workplace training.
Vehicle drivers should undergo training and obtain an appropriate certificate in accordance with the requirements of ADR regulations.

Information for the reader: It is the user's responsibility to take all necessary steps to comply with national law. The information contained in the above sheet describes the safety requirements for the use of the product. The user is fully responsible for determining the suitability of the product for specific purposes.. The data contained in this sheet does not constitute an assessment of the user's workplace safety. The material safety data sheet cannot be treated as a guarantee of the properties of the product.
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.

Changes in the Sheet compared to the previous version:
Update of sections:
1: change of UFI number
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, 2.1, 2.2, 3.2, 4.1, 4.2, 4.3, 5.1, 5.2, 5.3, 6.1, 6.2, 6.4, 7.1, 7.2, 8.1, 8.2, 9.1, 9.2, 10.2, 10.3, 10.4, 10.5, 10.6, 11.1, 11.2, 12.1, 12.3, 12.6, 12.7, 13.1, 14.2, 14.3, 14.6, 14.7, 15.1, 15.2, 16.
General update.

Sheet number: 07-2N6L-0123-V5