

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

1.1. Product identification

Product name:

1K ACRYLIC PRIMER BLACK SPRAY

UFI: QXC0-90W1-N004-SNRG*

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

No further relevant data available.

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 material safety data sheet:

ranal@ranal.pl

1.4. Emergency telephone

+48 34 329 45 03 (7:30 - 15:30)

SEKCJA 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:

Flam. gas. 1; H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.

Eye Irrit. 2, H319: Causes eye irritation.

STOT SE 3, H336: May cause drowsiness or dizziness.

Aquatic Chronic 3; H412 Harmful to aquatic life with long-lasting effects.*

EUH066: Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

According to the Regulation (EC) no 1272/2008.

Hazard pictograms:



GHS02 GHS07

Signal word: Danger.*

Components indicating hazard for labelling:

Acetone

Butyl acetate

Butan-1-ol

Hazard statements*:

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319 Causes eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful 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 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/ container to an authorized waste recipient.

EUH066 Repeated exposure may cause skin dryness or cracking.
Formation of explosive mixtures is possible in case of insufficient ventilation.
EUH211 Warning! Hazardous respirable droplets may form if sprayed. Do not breathe spray or vapour.

2.3 Other hazards*

Results of PBT or vPvB assessment in accordance with Annex XIII of the REACH Regulation:

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

A mixture of the following components with safe additions.

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

Acetone
25-50% *
Reg.No: 01-2119471330-49-XXXX
CAS: 67-64-1
EC no: 200-662-2
Index no: 606-001-00-8
Flam Liq. 2, H225; Eye Irrit. 2; H319; STOT SE 3, H336.

Propane*
10 - <12,5%
Reg.No: 01-2119486944-21
CAS: 74-98-6
EC no: 200-827-9
Index no: 01-003-00-5
Flam. Gas 1A, H220, Press. Gas (Comp.), H280.

Butyl acetate
10 – 12,5%*
Reg.No: 01-2119485493-29-XXXX
CAS: 123-86-4
EC no: 204-658-1
Index no: 607-025-00-1
Flam. Liq. 3, H226; STOT SE 3, H336.

2-methoxy-1-methylethyl acetate*
5 - <10%
CAS: 108-85-6
EC no: 203-603-9
Reg.No: 01-2119475791-29-XXXX
Index no: 601-195-00-7
Flam. Liq. 3, H226.

Butane*
5 - <10%
CAS: 106-97-8

EC no: 203-448-7
Reg.No: 01-2119474691-32-XXXX
Index no: 601-004-00-0
Flam. Gas 1A, H220, Press. Gas (Comp.), H280.

Isobutane (butadiene content (203-450-8) <0.1%)*
5 - <10%
CAS: 75-28-5
EC no: 200-857-2
Reg.No: 01-2119485395-27-XXXX
Index no: 601-004-00-0
Flam. Gas 1A, H220, Press. Gas (Comp.), H280.

Titanium dioxide [as a powder with 1% or more of particles with an aerodynamic diameter of $\leq 10 \mu\text{m}$]*
2.5-< 5%
CAS: 13463-67-7
EC no: 236-675-5
Reg.No: 01-2119489379-17-XXXX
Index no: 022-006-00-2
Carc. 2, H351.

Butan-1-ol*
2.5 - <5%
CAS: 71-36-3
EC no: 200-751-6
Reg.No: 01-2119484630-38-XXXX
Index no: 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.

Nitrocellulose (nitrogen content <12.6%)*
<2.5%
CAS: 9004-70-0
Flam. Sol. 1, H228

Trizinc bis(orthophosphate)*
<2.5%
CAS: 7779-90-0
EC no: 231-944-3
Reg.No: 01-2119485044-40-XXXX
Index no: 030-011-00-6
Aquatic Acute 1, H400; Aquatic Chronic 1, H410.

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

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.*

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.*
Information on appropriate personal protection equipment see section 8.
Information on additional waste treatment is in section 13.

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 further relevant data available. *

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

Additional information about design of technical facilities: No further data, see section 7. *

8.1. Control parameters

Maximum permissible concentration in the working environment*:

SUBSTANCE	CAS NUMBER	MPC	MPIC	
Acetone	[CAS: 67-64-1]	600 mg/m ³	1800 mg/m ³	
Propane	[CAS: 74-98-6]	1800 mg/m ³	-	
Butyl acetate	[CAS: 108-86-4]	240 mg/m ³ *	520 mg/m ³ *	
2-methoxy-1-methylethyl acetate*	[CAS: 108-65-6]	260 mg/m ³	520 mg/m ³	skin
Butane	[CAS: 106-97-8]	1900 mg/m ³	3000 mg/m ³	
Butan-1-ol*	[CAS: 71-36-3]	50 mg/m ³	150 mg/m ³	skin

Additional information*:

The lists valid during the making were used as basis.

8.2. Exposure control*

Personal protective equipment:

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.

Penetration time of the glove material::

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 appearance	aerosol*
Colour	black*
Odour	solvent like*
Odour threshold	not specified*
pH-value:	not specified*
Change of state:	
Melting /freezing point:	not specified*
Initial boiling point and boiling range	
Boiling point:	not applicable for aerosols*
Flash point	not applicable: aerosol
Flammability (solid, gas):	not applicable*
Ignition temperature:	333°C *
Breakdown point:	not specified*
Explosive properties:	not specified*
Explosion limits:	bottom 1.2 Vol%, top 13 Vol%*
Vapour pressure at 20 °C:	3500 hPa*
Density at 20°C:	0.8 g/cm ³ *
Relative density:	not specified*
Vapour density:	not specified*
Evaporation rate:	not applicable*
Solubility in/miscibility with:	
Water:	not miscible or difficult to mix*
n-octanol/water partition coefficient:	not specified*

Viscosity:	dynamic: not specified, kinetic: not specified
Solvent content:	
Organic solvents:	86.6 % *
Water:	0.2 % *
VOC (EC)	. 676.6 g/l*
Solids content:	12.9 % *

9.2. Other information

No data.

SEKCJA 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 toxicological effects

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

Toxicological data for the components:

Acetone				
Oral	LD50	5800 mg/kg (rat)		
Dermal	LD50	>15800 mg/kg *(rabbit)*		
Inhalation	LC50/4h	76 mg/l *(rat)		
Butyl acetate				
Oral	LD50	10800 mg/kg *	(rat)	(OECD 401)*
Dermal	LD50	>17600 mg/kg *(rabbit)		
Inhalation	LC50/4h	>21 mg/m ³ *	(rat)	
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)	
Butan-1-ol*				
Oral	LD50	2292 mg/kg (rat)		
Dermal	LD50	3430 mg/kg (rabbit)		
Inhalation	LC50/4h	17000 mg/m ³	(rat)	

Possible irritating effect: Effect Type Method:
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation: Causes eye irritation.
Allergic effect on airways or skin: Based on available data, the classification criteria are not met.

Carcinogenicity, Mutagenicity and Reproductive Toxicity (CMR).
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.
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.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity*:

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

2-methoxy-1-methylethyl acetate		
EC50 / 48 h	>500 mg/l	(daphnia magna)
LC50 / 96 h	100-180 mg/l	(oncorhynchus mykiss / Regenbogenforelle)

Butan-1-ol		
LC50 / 96 h	1376 mg/l	(fish)

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.

Ecotoxic effects:*

Warning: Hazardous for fish.

Further ecological information:

General information:*

Water hazard class 1 (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. Poisonous to aquatic life.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable. *

vPvB: Not applicable. *

12.6. Other hazardous effects

No further relevant data available.*

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. Pressurized container. Protect from sunlight and temperatures over 50°C. Do not pierce or burn - even after use. Do not spray towards flames or hot material. Formation of explosive mixtures is possible in case of insufficient ventilation.

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 AEROSOLS, flammable
IMDG AEROSOLS
IATA AEROSOLS, flammable

14.3 Transport hazard class (-es)

ADR:



Class: 2 5F Gases*
Warning label: 2.1

IMDG, IATA:



Class: 2.1 *
Label: 2.1

14.4. Packaging group

ADR, IMDG, IATA: none

14.5 Environmental hazards

Not applicable*

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. Transport in bulk according to Annex II of MARPOL 73/78 Convention and the IBC Code

not applicable*

Transport/ further information*:

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

UN "Model Regulation":

Not permitted as Excepted Quantity
Code: E0
Not permitted as Excepted Quantity
UN 1950 AEROSOLS, 2.1,

SECTION 15: REGULATORY INFORMATION

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

- Act of June 13, 2013 on the management of packaging and packaging waste (applicable law 63, , item 638, as amended).
- Government Statement of February 18, 2017 on the entry into force of amendments to Annexes A and B 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 2009, no 27, item 162].
- 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 (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, 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 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 ingredients is listed.

National regulations:

Other Laws, Restrictions and Prohibitive Laws.

Substances of very high concern (SVHC) according to REACH, Art. 57:

None of the ingredients is listed.

15.2 Chemical safety assessment.

Chemical safety assessment has not been 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 H phrases used in the MSDS:

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.*
H228	Flammable solid.*
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.
H351	Suspected of causing cancer. Exposure methods: inhalation*
H400	Very toxic to aquatic life.*
H410	Very toxic to aquatic life with long-lasting effects.*

Explanation of abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG	International Marine Code of Dangerous Goods.
IATA	International Air Transport Association.
GHS	Globally Harmonised System of Classification and Labelling of Chemicals*
EINECS	European Inventory of Existing Commercial Chemical Substances*
ELINCS	European List of Notified Chemical Substances*

CAS	Chemical Abstracts Service (division of the American Chemical Society)*
VOC	Volatile Organic Compounds (USA, EU)*
LC50	Lethal concentration, 50 percent*
LD50	Dose at which death is observed of 50% of test animals . LC50 Concentration at which death is observed of 50% of test animals.
PBT	(substance) Persistent, Bio-accumulative and toxic.
SVHC	Substances of Very High Concern*
vPvB	(substance, which is) very Persistent and very Bio-accumulative.
Flam. Gas 1A	Flammable Gases - Category 1A*
Aerosol 1	Aerosols – Category 1*
Press. Gas (Comp.)	Gases under pressure - Compressed gas*
Flam. Liq. 2	Flammable liquids – Category 2*
Flam. Liq. 3	Flammable liquids – Category 3*
Flam. Sol. 1	Flammable solids – Category 1*
Acute Tox. 4	Acute toxicity - ingestion- Category 4*
Skin Irrit. 2	Skin corrosion/irritation – Category 2*
Eye Dam. 1	Serious eye damage/eye irritation – Category 1*
Eye Irrit. 2	Serious eye damage/eye irritation – Category 2*
Carc. 2	Carcinogenicity - Category 2*
STOT SE 3	Specific target organ toxicity (single exposure) – Category 3*
Aquatic Chronic 1	Hazardous to the aquatic environment - Acute hazard to the aquatic environment – Category 1*
Aquatic Chronic 1	Hazardous to the aquatic environment - long-term hazard to the aquatic environment – Category 1*
Aquatic Chronic 3	Hazardous to the aquatic environment - long-term hazard to the aquatic environment – Category 3*

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 (marked with *):

1.1-2, 2.1-3, 3.2, 4.1-3, 5.1-3, 6.1-4, 7.1-3, 8.1-2, 9.1, 10.2-6, 11.1, 12.1, 12.3-6, 13.1, 14.2-3, 14.5-7, 15.1-2, 16.0.

Sheet number: 07-0P7L-0521-V4