

1K ACRYLIC PRIMER BLACK SPRAY

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

1.1. Product identification

Product name:
1K ACRYLIC PRIMER BLACK SPRAY
UFI: K6U0-A0FX-G009-KAG6

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)

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*:



GHS02 flame

Aerosol 1, H222-H229

Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

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.

2.2. Label elements

Classification according to the regulation (EC) no 1272/2008: The product has been classified and labelled according to CLP regulation.

Contains:

Acetone.

Butyl acetate.

2-methoxy-1-methylethyl acetate*

Butan-1-one.

Hazard pictograms:



GHS02 GHS07

Signal word: **Danger**.

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.

1K ACRYLIC PRIMER BLACK SPRAY

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.
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.
EUH066 *

Propane
10 - <12.5 %
Reg. No: 01-2119486944-21
CAS: 74-98-6
EC no: 200-827-9
Index no: 601-003-00-5
Flam. Gas 1A, H220, Press. Gas (Comp.), H280.

Butyl acetate
10 - <12.5 %
CAS: 123-86-4
EC no: 204-658-1
Reg. No: 01-2119485493-29-XXXX
Index no: 607-025-00-1
Flam. Liq. 3, H226; STOT SE 3, H336.
EUH066 *

Butane (containing <0.1% butadiene (EC number 203-450-8)*)
5 - <10 %
CAS: 106-97-8
EC no: 203-448-7
Reg. No: 01-2119474691-32
Index no: 601-004-00-0
Flam. Gas 1A, H220, Press. Gas (Comp.), H280.

2-methoxy-1-methylethyl acetate
5 - <10 %
CAS: 108-65-6
EC no: 203-603-9
Reg. No: 01-2119475791-29
Index no: 607-195-00-7
Flam. Liq. 3, H226
STOT SE 3, H336*

1K ACRYLIC PRIMER BLACK SPRAY

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

Titanium dioxide*
2.5 - <5 %
CAS: 13463-67-7
EC no: 200-751-6
Reg. No: 01-2119484630-38
Index no: 603-004-00-6
Carc. 2, H351

Nitrocellulose *
<2.5 %
CAS: 9004-70-0
Expl. 1.1, H201*

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

Trizinc bis(orthophosphate)
<2,5 %
CAS: 7779-90-0
EC no: 231-944-3
Reg. No: 01-2119485044-40
Index no: 030-011-00-6
Aquatic Acute 1, H400; Aquatic Chronic 1, H410

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

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*.

1K ACRYLIC PRIMER BLACK SPRAY

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 containers.

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:123-86-4]	240 mg/m ³	720 mg/m ³
Butane (containing <0.1% of butadiene (EC number 203-450-8)*)	[CAS: 106-97-8]	1900 mg/m ³	3000 mg/m ³
2-methoxy-1-methylethyl acetate	[CAS: 108-65-6]	260 mg/m ³	520 mg/m ³
Titanium dioxide*	[CAS: 13463-67-7]	10 mg/m ³	-
Butan-1-ol	[CAS: 71-36-3]	50 mg/m ³	150 mg/m ³

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 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.

1K ACRYLIC PRIMER BLACK SPRAY

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*

General information:

Physical appearance	aerosol
Colour	black
Odour	solvent like
Odour threshold	not specified
Melting/freezing point	not specified.
Initial boiling point and boiling range:	not applicable for aerosols.
Flammability of materials*	not applicable

Explosion limits:

Bottom: 1,2 Vol % (123-86-4 butyl acetate*)	
Top:	13 Vol % (67-64-1 acetone*)

Flash point	not applicable: aerosol
Combustion temperature	333°C (108-65-6 2-methoxy-1-methylethyl acetate*)
Breakdown point	not specified*
pH value	not specified

Viscosity:	
Dynamic	not specified
Kinetic	not specified

Solubility in/miscibility with	
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	0,8 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	86.5 %*
Water	0.2 %
VOC (EC)	.
	675.6 g/l*
	86.46 % *
Solids content	12.9 %

Change of state*:	
Evaporation rate	not applicable

Information with regard to physical hazard classes*:

Explosives	none
Flammable gases	none

1K ACRYLIC PRIMER BLACK SPRAY

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
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*:

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. 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.

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*

Endocrine disrupting properties: None of the components is listed*

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. *

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Endocrine disrupting properties*

The product does not contain substances with endocrine disrupting properties.*

12.7. Other hazardous effects*

Warning: Hazardous for fish.

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.

Poisonous to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of according to applicable regulations.*

SECTION 14: TRANSPORT INFORMATION

14.1. UN 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

Class 2 5F gases

Warning label: No 2.1



IMDG, IATA

Class 2.1

Label 2.1



1K ACRYLIC PRIMER BLACK SPRAY

14.4. Packaging group

No.

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. 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

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 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 (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 quantities (in tonnes) for the application of the lower-tier requirements: 150 t

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

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

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electric 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 *

1K ACRYLIC PRIMER BLACK SPRAY

National regulations:

Other Laws, Restrictions and Prohibitive Laws:

Substances of Very High Concern (SVHC) in accordance with REACH, Art. 57: None of the components 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.

Relative phrases:

- 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.
- H351 Suspected of causing cancer. Exposure methods: inhalation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long-lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking. *

Explanation of abbreviations and acronyms:

- RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for 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: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: Very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- Expl. 1.1: Explosives - subclass 1.1*
- Flam. Gas 1A: Flammable Gases - Category 1A
- Aerosol 1: Aerosols - Category 1
- Press. Gas 1A*: Gases under pressure - Compressed gas
- Flam. Liq. 2: Flammable liquids - Category 2
- Flam. Liq. 3: Flammable liquids - Category 3
- 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 Acute 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

Changes in the Sheet compared to the previous version (marked with *):

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, 2.2, 3.2, 8.1, 8.2, 9.1, 9.2, 11.1, 11.2, 12.4, 12.6, 12.7, 13.1, 14.2, 14.5, 14.6, 15.1, 16.

Sheet number: 07-2N6L-0223-V5