

1K ACRYLIC PRIMER SPRAY (GREY)

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

1.1. Product identification

1K ACRYLIC PRIMER SPRAY (GREY)

UFI: FPT0-90AJ-N00A-M8YT *

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

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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):

The classification of this product has been carried out in accordance with Regulation No. 1272/2008 (CLP).

Aerosol 1: Extremely flammable aerosol. Pressurized container: may explode if heated, hazard category 1, H229.

Aerosol 1: Extremely flammable aerosol. Pressurized container: may explode if heated, hazard category 1, H222.

Eye Irrit. 2: Causes serious eye irritation, hazard category 2, H319

STOT SE 3: May cause drowsiness or dizziness, hazard category 3, H336

Aquatic Chronic 3: Harmful to aquatic life with long-lasting effects, H412.

2.2. Label elements

EC Regulation 1272/2008(CLP).

Contains:

Acetone.

Butyl acetate.

2-methoxy-1-methylethyl acetate. *

Butan-1-one.

Pictograms:



GHS02 GHS07 *

Signal word: **DANGER.**

Hazard statements:

H222-229 Extremely flammable aerosol. Container under pressure: may explode 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 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 wastes in containers respectively.

Additional information:

EUH066:

Repeated exposure may cause skin dryness or cracking.

EUH212:

Warning! Hazardous respirable dust may be formed when used. Do not inhale dust.

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: 1K PRIMER SPRAY (GREY)

Description:

A mixture of the following components with safe additions.

Components:

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

Identification		Chemical name/classification		Concentration
CAS:	67-64-1	Acetone ATP CLP00 Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 *	25 -<50%
EC:	200-662-2			
Index no:	606-001-00-8			
REACH:	01-2119471330-49-XXXX			
CAS:	74-98-6	Propane ATP CLP00 Regulation 1272/2008	Flam. Gas 1: H220; Press. Gas: H280	10 -<12.5%
EC	200-827-9			
Index no:	601-003-00-5			
REACH:	01-2119486944-21-XXXX			
CAS:	123-86-4	Butyl acetate ATP CLP00 Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336: EUH066 *	10 -<12.5%
EC	204-658-1			
Index no:	607-025-00-1			
REACH:	01-2119485493-29-XXXX			
CAS:	106-97-8	Butane (containing <0.1% butadiene (EC number 203-450-8)*) Regulation 1272/2008	Flam. Gas 1A, H220, Press. Gas (Comp.), H280.*	5-< 10%
EC	203-448-7			
Index no:	601-004-00-0			
REACH:	01-2119474691-32			
CAS:	108-65-6	2-methoxy-1-methylethyl acetate ATP CLP00 Regulation 1272/2008	Flam. Liq. 3, H226, STOT SE 3, H336 *	5-< 10%
EC	203-603-9			
Index no:	607-195-00-7			
REACH:	01-2119475791-29			
CAS:	75-28-5	Isobutane (butadiene content (203-450-8) <0.1%) Regulation 1272/2008	Flam. Gas 1, H220 Press. Gas (Comp.), H280.*	5-< 10%
EC	200-857-2			
Index no:	601-004-00-0			
REACH:	01-2119485395-27			
CAS:	13463-67-7	Titanium dioxide* Regulation 1272/2008	Carc. 2, H351*	2.5-< 5%
EC	236-675-5			
Index no:	022-006-00-2			
REACH:	01-2119489379-17			
CAS:	71-36-3	Butan-1-ol Regulation 1272/2008	Flam. Liq. 3, H226; Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335-H336	<2.5 %
EC	200-751-6			
Index no:	603-004-00-6			
REACH:	01-2119484630-38			
CAS:	9004-70-0	Nitrocellulose (nitrogen content <12.6%) Regulation 1272/2008	Flam. Sol. 1, H228	<2.5 %
CAS:	7779-90-0	Trizinc bis(orthophosphate) Regulation 1272/2008	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<2.5 %
EC	231-944-3			
Index no:	030-011-00-6			
REACH:	01-2119485044-40			

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

Full text of hazard statements provided in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Supply fresh air, in case of disturbances, consult a doctor.
Contact with skin: In general the product does not irritate skin.
Contact with eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Ingestion/aspiration: 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.

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 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

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. Warning: Pressurized container. Protect from sunlight and temperatures above 50°C. Do not open violently and do not burn even after use.

7.2. Conditions for safe storage, including any incompatibilities

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

8.1. Control parameters

Occupational exposure limit values should be controlled for the following substances:

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

67-64-1 Acetone

MPIC: 1800 mg/m³

MPC: 600 mg/m³

74-98-6 Propane

MPC: 1800 mg/m³

123-86-4 Butyl acetate

MPIC: 720 mg/m³

MPC: 240 mg/m³

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106-97-8 butane (containing <0.1% butadiene (EC number 203-450-8)*)

MPIC: 3000 mg/m³

MPC: 1900 mg/m³

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

MPIC: 520 mg/m³

MPC: 260 mg/m³

Skin

13463-67-7 titanium dioxide*

MPC: 10 m/m³

Inhalable fraction

71-36-3 butan-1-ol

MPIC: 150 mg/m³

MPC: 50 mg/m³

Skin

Additional information:

The lists valid during the making were used as basis.

8.2. Exposure control

Technical control measures:

No further data, see Section 7.*

Individual protection measures such as 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:



Filter A2/P3

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.

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, 0.4 mm thick, is 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 state 20°C:

aerosol

Colour:

grey

Odour:

solvent like

Odour threshold

not specified

1K ACRYLIC PRIMER SPRAY (GREY)

pH-value:	not specified
Change of state:	
Melting /freezing point:	not specified
Initial boiling point and boiling range:	not applicable for aerosol
Flash point:	not applicable for aerosols*
Flammability (solid, gas):	not applicable
Ignition temperature:	333°C (108-65-6 2-methoxy-1-methylethyl acetate)*
Breakdown point:	not specified*
Explosive properties:	not specified
Explosion limits:	
Bottom:	1.2 Vol % (123-86-4 butyl acetate)*
Top:	13 Vol % (67-64-1 acetone)*
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

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*

VOC-EU%: 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

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 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

There are no hazardous reactions if the product is stored as recommended.

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.

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/m ³	(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)

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.

11.2. Information on other hazards*

Endocrine disrupting properties*: 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)
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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*

Ecotoxic 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

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.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

ADR, IMDG, IATA 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
Label 2.1

IMDG, IATA



Class 2.1
Label 2.1

14.4. Packaging group

None.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for users

Warning: gases

Kemler's code: -

EMS Number: F-D,S-U

Stowage Code: SW1 Protected from heat sources.

SW22 For AEROSOLS with 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.

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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 proper section of class 2.
For WASTE AEROSOLS: Segregation as for the proper section of class 2.

14.7. Sea transport in bulk in accordance with IMO instruments*

Not applicable.

Further information:

ADR

Limited quantities (LQ)
Excepted quantities (EQ)

1L
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)
Excepted quantities (EQ)

1L
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 to 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 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 (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: 150 t

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

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

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

Substances of very high concern (SVHC) according to 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

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.

Relative phrases:

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.

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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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long-lasting effects.

Explanation of abbreviations and acronyms:

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
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable Gases - Category 1
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 - 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
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 compared to the previous version of the MSDS:

Update of sections:

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, 11.2, 12.6, 14.7, 15.1, 16.

General update.

Sheet number: 07-0P6L-0323-V8