

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

1.1. Product identification

Product name:

ONE COMPONENT ACRYLIC PRIMER 1K, WHITE, BLACK

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

Quick drying undercoat paint to be used on various ground types inside as well as outside (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
Phone: +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 (7:30am - 03:30pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The mixture is classified as dangerous.

Classification according to Regulation (EC) No 1272/2008:

Flam. gas. 1; H222: Extremely flammable aerosol.
H229: Pressurized container: May burst if heated.
Eye Irrit. 2, H319: Causes eye irritation.
STOT SE3, H335: May cause respiratory irritation.
STOT SE 3, H336: May cause drowsiness or dizziness.
EUH066: Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

According to Regulation (EC) No 1272/2008.

Contains:

Xylene.

Hazard pictograms:



Hazard statements:

H222: Extremely flammable aerosol.
H319: Causes eye irritation.
H336: May cause drowsiness or dizziness.
H335: May cause respiratory irritation.
EUH066: Repeated exposure may cause skin dryness or cracking.
H229: Pressurized container: May burst if heated.

Precautionary statements:

P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.
P261: Avoid breathing fumes / gas / mist / vapours / spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P271: Use only outdoors or in a well-ventilated area.
P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.
P501: Dispose of contents and container to an authorized waste recipient.

2.3. Other hazards

The mixture does not meet the criteria of PBT or vPvB according to Annex XIII of the REACH Regulation.

Other hazards not reflected in the classification:
Unknown.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

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

Acetone
30-35%
Reg. No: 01-2119471330-49-XXXX
CAS No: 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.

Butyl acetate
4-8%
CAS No: 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.

Diacetone alcohol
4-8%
CAS No: 123-42-2
EC No: 204-626-7
Reg. No: 01-2119473975-21-XXXX
Index No: 603-016-00-1
Flam Liq. 3., H226; Eye Irrit. 2, H319; STOT SE 3, H335.

Xylene – mixture of isomers
<10%
CAS No: 1330-20-7
EC No: 215-535-7
Reg.No: 01-2119555267-33-XXXX
Index No: 601-022-0-9
Flam. Liq. 3, H226; Acute Tox 4, H332; Acute Tox 4, H312; Skin Irrit 2, H315,
+ additional classification data for producer: Eye Irrit. 2, H319; STOT SE 3, H335; Acute Tox. 1, H304; STOT RE 2, H373.

*Petroleum gases, liquified
35-45%
CAS No: 68476-85-7
EC No: 270-704-2
Reg No: not subject to registration
Index No: 649-202-00-6
*Flam. Gam., 1, H220; Press. Gas, H280; Note H, K, S, U.

Ethylbenzene
<5%
CAS No: 100-41-4
EC No: 202-849-4
Reg. No: 01-2119486136-34-XXXX
Index No: 601-023-00-4
Flam. Liq. 3, H225; Acute Tox 4, H332.

The substance is not classified as carcinogenic or mutagenic (see table 3.1 of Annex VI for the Regulation of the European Parliament and of the council (EC) No 1272/2008 of December 16 2008 – note K) – according to producer's information contains less than 0,1% weight of buta-1,3-diene.

Full text of H phrases provided in section 16 of the Material Safety Data Sheet.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:

Take the victim out of contaminated environment. Place the injured person in a lying position. Ensure warmth and peace. Loosen tight clothing. Provide open ventilation. If necessary – perform artificial respiration or supply oxygen. Ensure medical help.

Ingestion:

Not applicable.

Contact with eyes:

Rinse contaminated eyes with plenty of warm water for 15 minutes with eyelids wide open (remove contact lenses before). Do not use too strong jet of water, so as not damage the cornea. If irritation symptoms appear and persist, ensure medical help.

Contact with skin:

Take off contaminated clothes and footwear. Wash contaminated water thoroughly with plenty of water and soap. Continue rinsing for at least 10 minutes. If irritation symptoms appear and persist, ensure medical help.

4.2. Most important symptoms both acute and delayed

In case of inhalation exposure to high concentrations of vapour/aerosols of the product, the following symptoms may appear: eye irritation (redness of the conjunctiva, lacrimation, pain) and mucous membranes of the airways (caught, burning sensation in throat and nose). Vapours may cause drowsiness and dizziness. The product may cause skin irritation and dryness (for detailed description see section 11 of the Sheet).

4.3. Indications of any immediate medical attention and special treatment needed

Do not administer anything orally to an unconscious person and do not induce vomiting. Show the Material Safety Data Sheet or label /packaging to medical personnel giving help. Persons giving help in the area of unknown vapour concentration should be equipped with self-contained breathing apparatuses.

Information for the doctor: symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: CO₂, extinguishing powders, extinguishing foam, water spray or water mist.

Unsuitable extinguishing media: strong water jets.

5.2. Special hazards arising from the substance or mixture

Extremely flammable product. Containers exposed to fire or high temperature may explode due to pressure build up inside. In fire environment carbon monoxides are released. Avoid breathing combustion products as they may cause health hazard.

5.3. Advice for firefighters

If possible, cool closed tanks exposed to fire or high temperature with water spray from safe distance (threat of explosion) and remove them safely from endangered area. After removing them from endangered area, continue spraying until they are completely cool. Prevent fire waste from entering sewage system and water reservoirs. Remaining swage and fire residues should be disposed of according to current regulations.

Fire fighters should be trained, equipped with self-contained breathing apparatuses and full set of protective clothes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

Inform the surroundings about the incident. Remove from the endangered area all persons not participating in liquidation of the effects of the event.

Avoid contamination of eyes, skin and clothes. Do not inhale vapours.

CAUTION: In case of release in a closed room ensure its efficient ventilation/airing. Remove all ignition sources – put off open flames, do not smoke, do not use sparking tools and devices, eliminate hot surfaces and other heat sources.

6.2. Environmental precautions

In case of leakage of the product from aerosol containers, place leaking containers in emergency containers and wait until the pressure in containers reduces.

Prevent release of the product into catch pits, water and soil.

6.3. Methods and materials for containment and cleaning up

In case of small amounts absorb leaked product with the use of a neutral non flammable binding agent (e.g. mica, diatomaceous earth, sand), collect into a closable and labeled waste container. In case of large amounts, embank the area, pump down collected liquid; cover small amounts of leaked liquid with non flammable binding agent (sand, diatomaceous earth, universal binding agent), collect into a closable container. Ensure sufficient ventilation.
Do not use water or water based cleaning agents.

6.4. Reference to other sections

Personal protection measures– see section 8 of the Material Safety Data Sheet.
Disposal considerations – see section 13 of the Material Safety Data Sheet

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

When using the product apply general rules of hygiene and regulations concerning hygiene and safety at work with chemical substances (see section 15).
Ensure efficient ventilation of the room (general/local).
Avoid contact with skin and eyes. Do not eat, drink or smoke while using the product, except in designated places; wash hands before work breaks and at the end of work with the product. Keep away ignition sources – do not smoke. Take precaution measures against electrostatic discharge.

7.2. Conditions for safe storage, including any incompatibilities

Store only in original containers, in cool and dry place.
Store in a closed place and protect against the access of unauthorized persons.
Do not store together with food, drinks and feed.
Eliminate heat and ignition sources. Do not smoke. Protect the containers from direct sunrays. Keep away from strong oxidants.

7.3. Special end use(s)

No data available.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION MEASURES

8.1. Control parameters

Maximum permissible concentration in working environment:

SUBSTANCE	CAS NUMBER	MPC	MPIC
n-butyl acetate	[CAS: 123-86-4]	200 mg/m ³	950 mg/m ³
Xylene	[CAS: 1330-20-7]	100 mg/m ³	350 mg/m ³
Acetone	[CAS: 67-64-1]	600 mg/m ³	1800 mg/m ³
Diacetone alcohol	[CAS: 123-42-2]	240 mg/m ³	-
Ethylbenzene	[CAS: 100-41-4]	200 mg/m ³	400 mg/m ³
Propane	[CAS: 74-98-6]	1800 mg/m ³	-
Butane	[CAS: 106-97-8]	1900 mg/m ³	3000 mg/m ³

8.2. Exposure control

Appropriate technical protection:
In normal working conditions it is enough to ensure efficient ventilation.

Respect general rules of work with chemical substances.
While using the product do not eat, drink or smoke.
Keep away from food, drinks and feed.
Avoid contact with skin and eyes. Wash hands before work breaks and at the end of work.
Immediately remove contaminated clothes and wash skin with plenty of water.
Do not inhale gases, vapours and spray.

Eyes or face protection:
In industrial conditions use tight protective glasses (plastic frame resistant to organic solvents).

Hands and skin protection:
Protective gloves of material resistant to organic solvents (e.g. butyl rubber).
Material of gloves must be impermeable and resistant to the product. It should be chosen considering breakthrough time and rate and degradation. Choice of protective gloves does not depend only on material but also on other qualities which vary depending on the producer. The producer should supply penetration data of the gloves which should be respected. Use protective hand cream.
Protective clothes.

Protection of respiratory tract:

In case of accident or exceeded permissible levels of concentration of substances at a work place use certified respirator. Minimal requirement is a half-mask with A1P2 filter or a mask covering the whole face with self-contained respiratory protection.

Thermal hazards:

Not applicable.

Air control at work places

PN-86/Z-04050.01 – Air cleanness protection. Equipment and sets for sampling. General provisions.

PN-89/Z-04008.07 – Air cleanness protection. Sampling. General provisions. Principles of sampling in a workplace and interpretation of results.

Environmental exposure control:

Consider precautionary measures to protect the area around storage containers. Prevent leakage to the sewage system, surface waters, underground waters and soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical appearance	liquid in aerosol container
Colour	white
Odour	characteristic for paint
Density	0.89-0.92 g/cm ³
Flash point	not applicable: aerosol
Flammability	extremely flammable mixture
Explosion limits at 20°C	1.9% - 9.0% vol.
Explosive properties	Vapours of the substance may form explosive mixtures with air
Oxidizing properties	no data

9.2. Other information

No data.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data.

10.2. Chemical stability

Product stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Oxidizing agents, strong acids.

10.4. Conditions to be avoided

Avoid high temperature – over 50°C, protect from direct sunrays, avoid open flames, electrostatic discharges and other ignition sources. Avoid formation of mixtures of vapours or spray with air.

10.5. Incompatible materials

Strong oxidants, acids, bases.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

General information:

Irritating. Causes eye irritation. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Toxicological information on components:

Xylene		
LD50:	4300 mg/kg	(ingestion, rat)
LC50:	22100 mg/m ³	(inhalation, rat, 4h)
LD50:	>1700 mg/kg	(skin, rabbit)

Acetone		
LD50:	5800 mg/kg	(ingestion, rat)
LC50:	7.6 mg/l	(inhalation, rat, 4h)
LD50:	7400 mg/kg	(skin, rat)
Ethylbenzene		
LD50:	3500 mg/kg	(ingestion, rat)
LC50:	17.2 mg/l	(inhalation, rat, 4h)
LD50:	15500 mg/kg	(skin, rabbit)
Butyl acetate		
LD50:	14000 mg/kg	(ingestion, rat)
LC50:	9660 mg/m ³	(inhalation, rat, 4h)
LD50:	>5000 mg/kg	(skin, rabbit)

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity of components:

Acetone:		
Acute toxicity for freshwater invertebrates:	LC50 8800 mg/l / 48 h	(<i>Daphnia pulex</i>)
Acute toxicity for marine invertebrates:	LC50 2100 mg/l / 24 h	(<i>Artemia salina</i>)
Chronic toxicity for invertebrates:	NOEC 2212 mg/l / 28 days	(<i>Daphnia magna</i>)
Acute toxicity for freshwater algae:	LOEC 530 mg/l / 8 days	(<i>Microcystis aeruginosa</i>)
Acute toxicity for marine algae:	NOEC 430 mg/l / 96 h	(<i>Prorocentrum minimum</i>)
Acute toxicity for freshwater fish:	LC50 5540 mg/l / 96 h	(<i>Oncorhynchus mykiss</i>)
Acute toxicity for marine fish:	LC50 11000 mg/l / 96 h	(<i>Alburnus alburnus</i>)
Diacetone alcohol:		
Acute toxicity for fish:	LC50>100 mg/l / 96 h	(<i>Oryzias latipes</i>)
Acute toxicity for aquatic invertebrates:	EC50>1000 mg/l / 48 h	(<i>Daphnia magna</i>)
Long-term toxicity for aquatic invertebrates:	NOEC 100 mg/l / 21 days	(<i>Daphnia magna</i>)
Butyl acetate		
Acute toxicity for fish:	LC50 141 mg/l	
Acute toxicity for crustacea:	EC50 24 mg/l / 24 h	
Xylene		
Acute toxicity for fish:	LC50 3.77 mg/l / 96 h	
Acute toxicity for fish algae:	LC50 10-100 mg/l / 96 h	
Ethylbenzene		
Acute toxicity for fish:	LC50 94.44 mg/l / 96 h	(<i>Carassius auratus</i>)
	LC50 12.1mg/l / 96 h	(<i>Pimephales promelas</i>)
	LC50 4.2 mg/l / 96 h	(<i>Oncorhynchus mykiss</i>)
Acute toxicity for daphnia:	EC50 1.8-2.9 mg/l / 24 h	

Persistence and degradability

No data.

12.3. Bioaccumulative potential

Do not expect bioaccumulation.

12.4. Mobility in soil

No data.

12.5. Results of PBT and vPvB assesment

Does not meet PBT or vPvB criteria according to annex XIII.

12.6. Other hazardous effects:

Product is not classified as dangerous for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Act according to local regulations.

Do not dispose the product into the sewage system. Prevent contamination of surface water and ground water. Consider reuse. Waste product should be recovered or disposed of with entities authorized to collect or dispose waste products according to current regulations.

Recovery / recycling / disposal should be performed according to current regulations. Caution: Only completely emptied containers can be recycled! Do not pierce or burn empty containers. Dispose of the product with authorized entities.

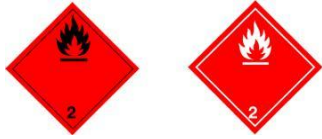
Steel can code: 15.01.05

Carton code: 20.01.01

Cap code: 20.01.39

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 (maritime transport), ICAO / IATA (air transport).



14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS, flammable

14.3. Transport hazard class (es)

2

Warning label No 2.1

14.4. Packaging group

No.

14.5. Environmental hazards

No.

14.6. Special precautions for user

None.

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

No data.

SECTION 15: REGULATORY INFORMATION

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

- Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH),
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing European Chemicals Agency.
- Regulation (EC) No 1272/2008 of December 16 2008 on classification, labeling and packaging of substances and mixtures , amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union L335/1 of December 31 2008)
- Regulation (EC) No 273/2004 of the European Parliament and of the Council of February 11 2004 on drug precursors.
- Regulation (EC) No 111/2005 of December 22 2004 laying down rules of the monitoring of trade between the Community and third countries in drug precursors.
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of March 31 2004 on detergents.
- Commission Regulation (EC) No 907/2006 of June 20 2006 amending regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents in order to adapt Annexes III and VII thereto.

15.2. Chemical safety assessment

None.

SECTION 16: OTHER INFORMATION

Full text of H phrases mentioned in Material Safety Data Sheet:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.

Explanations of the abbreviations and acronyms used in the Material Safety Data Sheet:

MPC	maximum permissible concentration of health hazardous substances in the work place.
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	Derived no effect level of concentration
LD50	Lethal dose, a dose required to kill half the members of a tested population
LC50	Lethal concentration, concentration required to kill half the members of a tested population
ECX	Concentration causing an effect of X % reduction of growth or growth rate
LOEC	Lowest observed effect concentration
NOEL	No observable adverse effect level
RID	Regulation for international rail transport of dangerous goods
ADR	European Agreement Concerning International Road Transport of Dangerous Goods
IMDG	International Marine Code of Dangerous Goods
IATA	International Air Transport Association
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials.

Trainings:

Before using the product the user should get acquainted with the rules of hygiene and safety regarding work with chemical substances, and particularly suitable on-the-job-training.

The drivers should be suitably trained and certified according to ADR Regulations.

Classification of mixtures and assessment method according to the Regulation (EC) No 1272/2008 [CLP].

Classification according to 1272/2008 [CLP]:

Physical hazard: Flash point (°C)

Health hazard: Calculation method.

Environmental hazard: Calculation method.

Information for the reader: The user is responsible for taking all necessary actions aiming at meeting the requirements of national regulations. Information included in this sheet provides description of safety requirements while using the product. The user is fully responsible for determining usability of the product for particular purpose. Data included in this sheet does not constitute safety assessment for the user's workplace. Material safety data sheet cannot be treated as guarantee of product characteristic.

Material safety data sheet was elaborated on the basis of material safety data sheets of components delivered by the manufacturer and internet databases, as well as provision in force concerning dangerous substances and chemical mixtures.

Changes in the Sheet compared to the previous version:

Substantive changes: 2.1, 16.0;

Editorial changes: 1.3, 3.0, 3.1, 3.2, 15.1, 16.0.

Number of the Sheet: 070P7L2018V2