

SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION**1.1 Product identification****ACRYLIC COAT BLACK MAT****1.2. Relevant identified uses of the substance or mixture and uses advised against**

Quick drying coat for painting various types of surface both inside and outside (spray).

1.3. Data of the safety data sheet supplier**Przedsiębiorstwo RANAL Sp. z o.o.**

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1.4. Emergency telephone

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SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

The mixture was 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 serious 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

Regulation No 1272/2008 (CLP).

Contains:

Xylene.

Acetone.

Pictograms:



Warning word: **Danger.**

Hazard statements:

H222	Extremely flammable aerosol.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
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	Do not pierce or burn, even after use.
P261	Avoid breathing dust/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/container to an authorized recipient of wastes.

2.3. Other hazards

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

Other hazards not reflected in the classification:

Unknown.

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 Regulation 1272/2008
Acetone 01-2119471330-49-XXX	30-35	67-64-1	200-662-2	606-001-00-8	Flam. Liq. 2, H225, Eye Irrit. 2, H319, STOT SE 3, H336
Butyl acetate 01-2119485493-29-XXXX	4-8	123-86-4	204-658-1	607-025-00-1	Flam. Liq. 3, H226, STOT SE 3, H336
Diacetone alcohol 01-2119473975-21-XXXX	4-8	123-42-2	204-626-7	603-016-00-1	Flam. Liq. 3, H226, Eye Irrit. 2, H319, STOT SE3, H335
m-Xylene *	4-6	108-38-3	203-576-3	601-022-00-9	Flam. Liq. 3, H226, Acute Tox 4, H332, Acute Tox 4, H312, Skin Irrit 2, H315,
p-Xylene *	2-3	106-42-3	203-396-3	601-022-00-9	Flam. Liq. 3, H226, Acute Tox 4, H332, Acute Tox 4, H312, Skin Irrit 2, H315
Ethylbenzene *	1-5	100-41-4	202-849-4	601-023-00-4	Flam. Liq. 2, H225, Acute Tox 4, H332,
o-Xylene *	<2	95-47-6	202-422-2	601-022-00-9	Flam. Liq. 3, H226, Acute Tox 4, H332, Acute Tox 4, H312, Skin Irrit 2, H315
Petroleum gases ,liquefied Not subject to registration	35-45	68476-85-7	270-704-2	649-202-00-6	Flam. Gas. 1, H220, Press. Gas, H280, Note H,K,S,U

* Product of reaction of mass of ethylbenzene , o-xylene ,p-xylene and m-xylene :
registration number: 01-2119555267-33-XXXX

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Substance is not classified as carcinogenic or mutagenic (see table 3.1. of the annex VI to Parliament and Council Regulation (EC) no 1272/2008 of December 16 2008-attention (note) K)-according to the manufacturer's information contains less than 0,1% by weight of buta-1,3-diene.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Take the victim outside of the contaminated area. Lay the victim down. Ensure warmth and quiet surrounding. Unfasten tight clothing. Ensure open ventilation. If necessary perform artificial respiration or administer 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 (before remove contact lenses). Do not use too strong jet of water so as not to damage the cornea. In case of persistent irritation symptoms ensure medical help.

Contact with skin: Take off contaminated clothing and shoes. Rinse contaminated skin thoroughly with plenty of water and soap. Continue rinsing for at least 10 minutes. In case of persistent irritation symptoms ensure medical help.

4.2. Most important symptoms both acute and delayed

In case of inhalation exposure to high concentrations of vapours/aerosols of the preparation eye irritation may appear (redness of conjunctiva, lacrimation, and eye pain) as well as irritation of mucous membrane of airways (cough, stinging sensation in throat and nose). Vapours may cause drowsiness and dizziness. May cause irritation, dryness of skin (see details in section 11).

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

Do not administer anything per os to an unconscious victim and do not induce vomiting.

Show medical personnel giving aid material safety data sheet or label/packaging of the product. People giving aid in the area of unknown vapours concentration should be equipped with self-contained breathing apparatus.

Tips for a doctor: symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media**

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

Unsuitable extinguishing media: strong jets of water.

5.2. Special hazards arising from the substance or mixture

Extremely flammable product. Containers exposed to fire or high temperature may burst as a result of increase of pressure inside them. During the fire carbon monoxides are generated. Avoid breathing combustion products as they may be hazardous for health.

5.3. Advice for firefighters

Cool closed containers exposed to fire or high temperature with water spray from safe distance (danger of explosion), and if possible, remove them carefully from endangered area. Continue cooling after having removed the containers until they get completely cooled.

Avoid leakage of the fire waste into sewage system and water reservoirs. Fire waste and residues should be disposed of according to provisions in force.

People participating in extinguishing the fire should be trained and equipped with self-contained breathing apparatus and full set of protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency measures**

Inform the environment about the accident. Remove all the people not taking part in the rescue actions from the endangered area.

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

Attention: In case of release in closed room ensure efficient ventilation/airing.

Remove all ignition sources – extinguish open flame, do not smoke, do not use sparkling tools and machines, eliminate hot surfaces and other heat sources.

6.2. Environmental precautions

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

Avoid release of the product into drains, waters and soil.

6.3. Methods and materials for containment and cleaning up

Absorb small quantities of released product with neutral non-flammable binding agent (e.g. earth, sand, diatomaceous earth), collect into closed, labelled waste container.

In case of large release, embank the area, pump out collected liquid; cover small amounts of liquid with non flammable binding material (sand, diatomite, universal binding material), collect to a closed container. Ensure sufficient ventilation.

Do not wash with water or other water based cleaning agents.

6.4. Reference to other sections

Information about personal protection measures– see section 8. Disposal considerations – see section 13.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES**7.1. Precautions for safe handling**

While working with the product apply general rules of hygiene and occupational safety and hygiene provisions for working with chemicals (see section 15).

Ensure efficient ventilation of the room (general/local exhaust ventilation).

Avoid contact with skin and eyes. Do not eat, drink or smoke while working with the product except in designated areas; wash hands before breaks and after having finished work. 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 packaging, in cool and dry place.

Store locked up, protect from unauthorized persons.

Do not store with food, drinks and feed.

Eliminate heat and ignition sources. Do not smoke. Protect containers from sunrays. Store 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 at a workplace:****n-butyl acetate [CAS :123-86-4]**

MPC - 200 mg/m³ MPIC - 950 mg/m³

Xylene [CAS: 1330-20-7]

MPC -100 mg/m³ MPIC- -

Acetone [CAS: 67-64-1]

MPC - 600 mg/m³ MPIC - 1800 mg/m³

Diacetone alcohol [CAS: 123-42-2]

MPC - 240 mg/m³ MPIC- -

Ethylbenzene [CAS :100-41-4]

MPC - 200 mg/m³ MPIC - 400 mg/m³

Propane [CAS: 74-98-6]

MPC - 1800 mg/m³

Butane [CAS: 106-97-8]

MPC - 1900 mg/m³ MPIC - 3000 mg/m³

8.2. Exposure control**Suitable technical protection:**

In normal working conditions it is sufficient to ensure efficient ventilation of the room. Observe general safety rules for working with chemicals. While using the product do not eat, drink or smoke. Store away from food, drinks and feed. Avoid contact with skin and eyes. Wash hands before each break and after having finished work. Remove immediately contaminated clothing and rinse skin with plenty of water.

Do not inhale gases, vapours and spray.

Eye or face protection:

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

Hand and skin protection:

Protective gloves made of material resistant to organic solvents (e.g. butyl rubber).

Glove material has to be impermeable and resistant to the product. The choice of material depends on penetration time, rate of diffusion and degradation. Moreover the choice of suitable gloves does not depend only on material but also on other quality characteristics and varies depending on manufacturer. Exact penetration time shall be given by the manufacturer and shall be observed. Use protective hand creme.

Working clothes.

Respiratory protection:

In case of accident or exceeded concentration limits in a workplace use certified respirator. Minimal requirement is a half mask with filter A1P2 or self-contained full mask.

Thermal hazard:

Not applicable.

Air monitoring at a workplace:

PN-86/Z-04050.01 - Air cleanness protection. Sampling devices and kits. 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 for protection of the area around storage containers. Avoid release into soil, sewers and watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical appearance:	liquid in aerosol container
Colour:	black
Odour:	characteristic for paint
Density 20°C:	0.89-0.92 g/cm ³
Flash point:	not applicable (aerosol)
Flammability (solid, gas):	extremely flammable mixture

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Explosion limit at 20°C:

Explosive properties:

Oxidizing properties:

flammable 1.9% -9.0% vol.

Vapours of the mixture may form explosive mixtures with air.

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 sunlight, avoid open flames, electrostatic discharges and other ignition sources. Avoid mixing 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 dizziness and drowsiness.

Toxicological information for components:

Xylene

LD50: 4300 mg/kg (ingestion, rat)

LC50: 22100 mg/m3 (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/m3 (inhalation, rat, 4h)

LD50: >5000 mg/kg (skin, rabbit)

SECTION 12: ECOLOGICAL INFORMATION

There is no experimental data on eco-toxicological properties of the mixture itself.

12.1. Toxicity

Component toxicity:

Acetone

Acute toxicity for freshwater invertebrates: LC50 8800 mg/l/48h (*Daphnia pulex*)

Acute toxicity for marine invertebrates: LC50 2100 mg/l/24h (*Artemia salina*)

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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/96h	(<i>Prorocentrum minimum</i>)
Acute toxicity for freshwater fish:	LC50	5540 mg/l/96h	(<i>Oncorhynchus mykiss</i>)
Acute toxicity for marine fish:	LC50	11000 mg/l/96h	(<i>Alburnus alburnus</i>)

Diacetone alcohol

Acute toxicity for fish:	LC50	>100 mg/l/96h	(<i>Oryzias latipes</i>)
Acute toxicity for aquatic invertebrates:	EC50	>1000 mg/l/48h	(<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 crustaceans:	EC50	24 mg/l/24h

Xylene

Acute toxicity for fish:	LC50	3.77 mg/l 96h
Acute toxicity for algae:	LC50	10-100 mg/l 96 h

Ethylbenzene

Acute toxicity for fish:	LC50	94.44 mg/l/96h	(<i>Carassius auratus</i>)
	LC50	12.1 mg/l/96h	(<i>Pimephales promelas</i>)
	LC50	4.2 mg/l/96h	(<i>Oncorhynchus mykiss</i>)
Acute toxicity for daphnia:	EC50	1.8-2.9 mg/l/24h	

12.2. Persistence and degradability

No data.

12.3 Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria of PBT or vPvB according to Annex XIII.

12.6. Other hazardous effects

The product has not been classified as environmentally hazardous.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Do not dispose the product into the sewage system. Prevent contamination of surface and ground water. Consider possibility of re-use. Waste product shall be subject to recycling or shall be disposed of by authorized companies according to regulations in force.

Recycling / disposal of waste containers shall be performed in accordance with regulations in force. Warning: Only completely empty containers can be recycled! Do not pierce or burn empty containers. Use the services of authorized companies.

Metal can code: 15.01.05

Carton code: 20.01.01

Cap code: 20.01.39

SECTION 14: TRANSPORT INFORMATION

The product is subject to regulations concerning transport of dangerous goods included in ADR (road transport), RID (rail transport), ADN (inland waterway transport), IMDG (marine transport), ICAO/IATA (air transport).



14.1. UN number

UN1950

14.2. UN proper shipping name

AEROSOLS, flammable

14.3. Transport hazard class(es)

2

Labels: 2.1

14.4. Packaging group

-

14.5. Environmental hazards

No.

14.6. Special precautions for user

No.

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**

Substances candidating to authorization according to Regulation (EC) 1907/2006(REACH): no data.

Substances present in Annex XIV REACH (list of permits) and expiration date: No data.

Regulation (EC) no 1005/2009 on substances that deplete the ozone layer: No data.

Article 95, REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (EU) NO 528/2012: Propan-2-ol (Group 1, 2, 4).

Regulation (EU) NO 649/2012, concerning the import and export of dangerous chemicals: No data.

Restrictions on the sale and use of certain hazardous substances and mixtures (Annex XVII REACH) etc...):

Regulation of the European Parliament and of the Council (EU) No 98/2013 of January 15 201 on the marketing and use of explosives precursors: contains acetone. The product complies with the provisions of Article 9.

Specific provisions for the protection of people or the environment:

It is recommended to use the information included in this safety data sheet as preliminary data to estimate local hazards in order to take the necessary steps to prevent the risk concerning handling, as well as its use, storage and disposal.

Other regulations:

- 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.
- 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 (EC) No 1907/2006 with later amendments.
- Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.
- Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.
- Regulation of the European Parliament and of the Council (EU) No 98/2013 of January 15 2013 on the marketing and use of explosives precursors.
- Council Directive of May 20 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.
- Commission Directive 94/1/EC of January 6 1994 adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of the relating Member States to aerosol dispensers.
- Commission Directive 2008/47/EC of April 8 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers.
- Commission Directive 2013/10/EU of March 19 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- Commission Directive (EU) 2016/2037 of November 21 2016 r. amending Council Directive 75/324/EEC as regards the maximum allowable pressure of aerosol dispensers and to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

Full text of H phrases:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H225 Highly flammable liquid and vapour.

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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.
H335 May cause respiratory irritation.
EUH 066 Repeated exposure may cause skin dryness or cracking.

Explanation of abbreviations and acronyms used in the material safety data sheet

MPC Maximum permissible concentration

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

LD50 a dose which causes death of 50% of examined animals

LC50 concentration which causes death of 50 % examined animals

ECX concentration which causes X % reduction of growth or growth rate

LOEC lowest observed effect concentration

NOEL no observable adverse effect level

RID Regulation for international carriage of dangerous goods by rail

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG International Maritime Dangerous Goods Code

IATA International Air Transport Association

UVCB chemical substances of unknown or variable composition, Complex Reaction Products and Biological Materials

Trainings:

Before starting to work with the product, the user should familiarize himself with health and safety rules regarding the handling of chemicals, and, in particular, undergo appropriate workplace training.

Drivers of vehicles should undergo training and obtain a relevant certificate as required by 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 provide 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:

Section 1.3 and general update.

Number of the sheet: 070P7L2018V2