

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

1.1. Product identification

ACRYLIC PRIMER FAST 4:1 HS
UFI: DRE0-X0DD-200H-NTYU

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

Advised uses: Car repair, primer for coatings. Only for professional user.
Uses advised against: Any type of use not mentioned above and in section 7.3.

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 (8.00 - 15.00)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The product contains less than 1% of respirable fraction of crystalline silica, so it does not require classification.

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

Aquatic Chronic 3: Hazardous to the aquatic environment – chronic hazard, category 3, H412.

Flam. Liq. 3: Flammable liquids, hazard category 3, H226.

2.2. Label elements

Pictograms:



Signal word: **Warning.**

Risk index:

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

Flam. Liq. 3: H226 Flammable liquid and vapour

Safety index:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P403+P235 Store in a well ventilated place. Keep cool.

P501 Dispose of contents/container to waste containers in accordance with the law on hazardous waste or containers and waste in containers.

2.3. Other hazards

The product does not meet the criteria of PBT/vPvB.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Chemical description:

Mixture based on chemical products.

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Butyl acetate ⁽¹⁾

5-<10%

EC: 204-658-1

CAS: 123-86-4

Index no: 607-025-00-1

Registration no: 01-2119485493-29-XXXX

Classification 1272/2008/EC: Flam. Liq. 3, H226; STOT SE 3, H336; EUH066 - Warning.

Xylene

5-<10%

EC: 215-535-7

CAS: 1330-20-7

Index no: 601-022-00-9

Registration no: 01-2119488216-32-XXXX

Classification 1272/2008/EC: Flam. Liq. 3, H226; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315.

2-methoxy-1-methylethyl acetate ⁽²⁾

5-<10%

EC: 203-603-9

CAS: 108-65-6

Index no: 607-195-00-7

Registration no: 01-2119475791-29-XXXX

Classification 1272/2008/EC: Flam. Liq. 3, H226.

Trizinc bis(orthophosphate) ⁽¹⁾

<1%

EC: 231-944-3

CAS: 7779-90-0

Index no: not applicable

Registration no: 01-2119485044-40-XXXX

Classification 1272/2008/EC: Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning.

Butanone ⁽²⁾

<1%

EC: 201-159-0

CAS: 78-93-3

Index no: 606-002-00-3

Registration no: 01-2119457290-43-XXXX

Classification 1272/2008/EC: Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger.

Acetic acid ⁽²⁾

<1%

EC: 201-159-0

CAS: 64-19-7

Index no: 607-002-00-6

Registration no: 01-2119475328-30-XXXX

Classification 1272/2008/EC: Flam. Liq. 3: H226; Skin Corr. 1A: H314 - Danger.

⁽¹⁾ The substance is hazardous to health or the environment and meets the criteria set out in Commission Regulation (EU) no 2015/830.

⁽²⁾ Substance with a EU specified occupational exposure limit.

Full text of hazard statements provided in sections 11, 12 and 16 of the Sheet.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Symptoms resulting from poisoning may appear some time after the exposure, therefore, in case of any doubt, direct exposure to a chemical product or prolonged malaise, consult a doctor and show him this Material Safety Data Sheet.

Through inhalation:

The product is not classified as hazardous through inhalation, however, if symptoms occur after poisoning, it is recommended to remove the injured person from the place of exposure and to provide fresh air and calm. If symptoms persist, seek medical attention.

Through skin contact:

Take off contaminated clothes and shoes, clean the skin or wash the injured with natural soap, rinsing thoroughly with cold water. In case of serious discomfort, call a doctor. If the mixture caused burns or frostbite, do not remove clothes from the injured because if the clothes are stuck to the skin, it may cause even more damage. If blisters appear on the skin, do not pierce them as this may increase the risk of infection.

Through eye contact:

Rinse eyes thoroughly with water at room temperature for 15 minutes. If the injured person wears contact lenses, they should be removed unless they are stuck to the eye, otherwise it may cause further injury. In any case, after washing the injured, consult a doctor as soon as possible and show him the Material Safety Data Sheet.

Through ingestion / aspiration:

Do not induce vomiting and if it occurs, keep head tilted forward to prevent aspiration of stomach contents. Allow the injured person to rest. Rinse mouth and throat as they most likely remain contaminated when swallowing the substance.

4.2. Most important symptoms both acute and delayed

Acute and delayed exposure symptoms provided in sections 2 and 11.

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

No data.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Use dry powder extinguishers (ABC powder), alternatively use foam or carbon dioxide (CO₂) extinguishers. IT IS NOT RECOMMENDED to use running water as an extinguishing agent.

5.2. Special hazards arising from the substance or mixture

As a result of combustion or thermal decomposition, reaction sub-products are formed which can be highly toxic and consequently can pose a serious health risk.

5.3. Advice for firefighters

Depending on the extent of the fire, it may be necessary to wear complete protective clothing and self-contained breathing apparatus. A minimum supply of emergency devices and means of operation (fire blankets, first aid kit) in accordance with Directive 89/654 / EC should be available.

Additional provisions:

Act in accordance with the Internal Emergency Plan and information leaflets describing what to do in the event of accidents and other emergency situations. Disable all sources of ignition. In the event of fire, cool the vessels and tanks used to store products susceptible to fire, explosion or BLEVE explosion due to high temperatures. Prevent the products used to extinguish a fire from entering the water reservoir.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

Isolate gas leaks if the activity does not pose a risk to people who carry it out. Evacuate from the area all the people who do not have adequate protection measures. Personal protective equipment must be used in the event of possible contact with the spilled product (see section 8). First of all prevent the formation of flammable air-vapor mixtures, both through ventilation and the use of an inerting agent. Disable all sources of ignition. Eliminate static electricity by earthing and bonding together all conductive surfaces that can develop static electricity.

6.2. Environmental precautions

The product has been classified as hazardous to the environment. Prevent contamination of ground and surface waters, water courses, soil and sewage systems. Store the absorbed product in tightly closed containers. Notify relevant authorities if the general public or the environment are at risk of exposure.

6.3. Methods and materials for containment and cleaning up

It is recommended to:

Absorb the spilled product with sand or neutral absorbent and transport it to a safe place. Do not use sawdust or other flammable absorbents. For any information on product disposal see section 13.

6.4. Reference to other sections

Personal protection measures– see section 8 of the Sheet.

Disposal considerations – see section 13 of the Sheet.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

A.- Precautions necessary for safe handling of the product.

To prevent hazards in the workplace act in accordance with applicable law. Keep the containers tightly closed. Control spills and waste, disposing of them in a safe way (section 6). Avoid spontaneous leakage from containers. Keep order and cleanliness when handling hazardous products.

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B.- Technical recommendations to prevent fire and explosion.

Transfer in well-ventilated places, if possible by local extraction. Completely control ignition sources (cell phones, sparks) and ventilate the rooms during cleaning. Avoid the formation of hazardous atmospheres in containers using inerting systems where possible. Transfer slowly to prevent electrostatic charging. If there is a possibility of electrostatic charges: ensure complete equipotential bonding, always use earthing devices, do not wear work clothes made of acrylic fibers, use cotton clothes and conductive shoes. Avoid direct contact and spraying of the product. Meet the basic safety requirements for devices and systems specified in Directive 2014/34/EC as well as basic provisions regarding safety and health at work in accordance with selection criteria of Directive 1999/92/EC. See section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent toxicological risks.

Do not eat or drink when handling the product, wash your hands with an appropriate cleaning agent at the end of work.

D.- Technical recommendations to prevent environmental risks. Due to the risk that this product poses to the environment, it is recommended to handle it in a place with pollution control sensors in case of spillage, and store absorbent material nearby.

7.2. Conditions for safe storage, including any incompatibilities

A.- Technical aspects of storage.

Min. temp.: 15°C

Max.temp.: 25°C

Maximum time: 12 months

B.- General storage conditions.

Avoid sources of heat, radiation and electrostatics. Keep away from food. For more information see section 10.5.

7.3. Special end use (s)

Apart from the above-mentioned guidelines, it is not necessary to follow any specific recommendations regarding the use of this product.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. Control parameters

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

Butyl acetate

CAS: 123-86-4

EC: 204-658-1

MPC 240 mg/m³

MPIC 720 mg/m³

Xylene

CAS: 1330-20-7

EC: 215-535-7

MPC 100 mg/m³

MPIC 200 mg/m³

2-methoxy-1-methylethyl acetate

CAS: 108-65-6

EC: 203-603-9

MPC 260 mg/m³

MPIC 520 mg/m³

Butanone

CAS: 78-93-3

EC: 201-159-0

MPC 450 mg/m³

MPIC 900 mg/m³

Acetic acid

CAS: 64-19-7

EC: 200-580-7

MPC 25 mg/m³

MPIC 50 mg/m³

DNEL (Workers):

Identification	Short-term exposure		Long-term exposure	
	Systemic	Local	Systemic	Local

Butyl acetate

CAS: 123-86-4

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EC: 204-658-1

Oral	No data	No data	No data	No data
Dermal	No data	No data	No data	No data
Inhalation	960 mg/m ³	960 mg/m ³	480 mg/m ³	480 mg/m ³

Xylene

CAS: 1330-20-7

EC: 215-535-7

Oral	No data	No data	No data	No data
Dermal	No data	No data	180 mg/kg	No data
Inhalation	289 mg/m ³	289 mg/m ³	77 mg/m ³	No data

2-methoxy-1-methylethyl acetate

CAS: 108-65-6

EC: 203-603-9

Oral	No data	No data	No data	No data
Dermal	No data	No data	153.5 mg/kg	No data
Inhalation	No data	No data	275 mg/m ³	No data

Trizinc bis(orthophosphate)

CAS: 7779-90-0

EC: 231-944-3

Oral	No data	No data	No data	No data
Dermal	No data	No data	83 mg/kg	No data
Inhalation	No data	No data	5 mg/m ³	No data

Butanone

CAS: 78-93-3

EC: 201-159-0

Oral	No data	No data	No data	No data
Dermal	No data	No data	1161 mg/kg	No data
Inhalation	No data	No data	600 mg/m ³	No data

Acetic acid

CAS: 64-19-7

EC: 200-580-7

Oral	No data	No data	No data	No data
Dermal	No data	No data	No data	No data
Inhalation	No data	25 mg/m ³	No data	25 mg/m ³

DNEL (Population):

Identification	Short-term exposure		Long-term exposure	
	Systemic	Local	Systemic	Local

Butyl acetate

CAS: 123-86-4

EC: 204-658-1

Oral	No data	No data	No data	No data
Dermal	No data	No data	No data	No data
Inhalation	859.7 mg/m ³	859.7 mg/m ³	102.34 mg/m ³	102.34 mg/m ³

Xylene

CAS: 1330-20-7

EC: 215-535-7

Oral	No data	No data	1.6 mg/kg	No data
Dermal	No data	No data	108 mg/kg	No data
Inhalation	289 mg/m ³	289 mg/m ³	14.8 mg/m ³	No data

2-methoxy-1-methylethyl acetate

CAS: 108-65-6

EC: 203-603-9

Oral	No data	No data	1.67 mg/kg	No data
Dermal	No data	No data	54.8 mg/kg	No data
Inhalation	No data	No data	33 mg/m ³	No data

Trizinc bis(orthophosphate)

CAS: 7779-90-0

EC: 231-944-3

Oral	No data	No data	0.83 mg/kg	No data
Dermal	No data	No data	83 mg/kg	No data
Inhalation	No data	No data	2.5 mg/m ³	No data

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Butanone
CAS: 78-93-3
EC: 201-159-0

Oral	No data	No data	31 mg/kg	No data
Dermal	No data	No data	412 mg/kg	No data
Inhalation	No data	No data	106 mg/m ³	No data

Acetic acid
CAS: 64-19-7
EC: 200-580-7

Oral	No data	No data	No data	No data
Dermal	No data	No data	No data	No data
Inhalation	No data	25 mg/m ³	No data	25 mg/m ³

PNEC:

Butyl acetate
CAS: 123-86-4
EC: 204-658-1

Sewage treatment plant	35.6 mg/L	Fresh water	0.18 mg/L
Soil	0.0903 mg/kg	Marine water	0.018 mg/L
Intermittent	0.36 mg/L	Sediment (Fresh water)	0.981 mg/kg
Oral	No data	Sediment (Marine water)	0.0981 mg/kg

Xylene
CAS: 1330-20-7
EC: 215-535-7

Sewage treatment plant	6.58 mg/L	Fresh water	0.327 mg/L
Soil	2.31 mg/kg	Marine water	0.327 mg/L
Intermittent	0.327 mg/L	Sediment (Fresh water)	12.46 mg/kg
Oral	No data	Sediment (Marine water)	12.46 mg/kg

2-methoxy-1-methylethyl acetate
CAS: 108-65-6
EC: 203-603-9

Sewage treatment plant	100 mg/L	Fresh water	0.635 mg/L
Soil	0.29 mg/kg	Marine water	0.0635 mg/L
Intermittent	6.35 mg/L	Sediment (Fresh water)	3.29 mg/kg
Oral	No data	Sediment (Marine water)	0.329 mg/kg

Trizinc bis(orthophosphate)
CAS: 7779-90-0
EC: 231-944-3

Sewage treatment plant	0.1 mg/L	Fresh water	0.0206 mg/L
Soil	35.6 mg/kg	Marine water	0.0061 mg/L
Intermittent	No data	Sediment (Fresh water)	117.8 mg/kg
Oral	No data	Sediment (Marine water)	56.5 mg/kg

Butanone
CAS: 78-93-3
EC: 201-159-0

Sewage treatment plant	709 mg/L	Fresh water	55.8 mg/L
Soil	22.5 mg/kg	Marine water	55.8 mg/L
Intermittent	55.8 mg/L	Sediment (Fresh water)	284.74 mg/kg
Oral	1000 g/kg	Sediment (Marine water)	284.7 mg/kg

Acetic acid
CAS: 64-19-7
EC: 200-580-7

Sewage treatment plant	85 mg/L	Fresh water	3.058 mg/L
Soil	0.47 mg/kg	Marine water	0.3058 mg/L
Intermittent	30.58 mg/L	Sediment (Fresh water)	11.36 mg/kg
Oral	No data	Sediment (Marine water)	1.136 mg/kg

8.2. Exposure control

A.- General measures of safety and hygiene in a workplace.

As a precautionary measure, it is recommended to use protective clothing marked "CE marking". More information on protective clothing (storage, use, cleaning, maintenance, protection class...) can be found in the information brochure provided by the protective clothing manufacturer. The directions here are for the pure product. The instructions for the diluted product may vary according to the dilution ratio, application, method of application, etc. When determining the obligation to install emergency

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showers and / or eye washes in storage, the regulations for the storage of chemical products will be taken into account. For more information, see sections 7.1 and 7.2

All information contained in this point - due to the lack of information on the protective equipment held by the company - should be treated as a recommendation in order to prevent the risk of creating a hazard when working with the product.

B.- Respiratory protection.

Pictogram:



Obligatory respiratory protection.

Protective equipment:

Filtering mask to protect against gases and vapours (A)

Marking:



Cat. 3

CEN standards:

EN 405:2001+A1:2009

Notes:

Replace the mask if the smell or taste of the product leaks inside the mask or into the adapter. If the contaminant does not have clear warning properties, the use of isolating equipment is recommended.

C.- Special hand protection.

Pictogram:



Obligatory hand protection.

Protective equipment:

Reusable chemical protective gloves (NBR), breakthrough time 480 minutes, thickness 0.4 mm.

Marking:



Cat. 3

CEN standards:

EN ISO 374-1:2016

EN 16523-1:2015

EN 420:2003+A1:2009

Notes:

Protection time of the gloves (The Breakthrough Time) stated by the manufacturer must be longer than the product application time. Do not use protective creams after contact of the product with the skin. As the product is made up of various materials, the strength of the glove cannot be completely reliably checked beforehand and therefore has to be checked before use.

D.- Eye and face protection.

Pictogram:



Obligatory face protection.

Protective equipment

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Panoramic glasses against liquid splashes and/or splinters.

Marking:



CEN standards:
EN 166:2001
EN ISO 4007:2018

Notes:

Clean daily and disinfect regularly as recommended by the manufacturer. Recommended when there is a risk of liquid splash.

E.- Body protection.

Pictogram:



Obligatory body protection.

Protective equipment

Protective clothing against chemical hazards, anti-electrostatic and flame retardant.

Marking:



CEN standards:
EN 1149-1,2,3
EN 13034:2005+A1:2009
EN ISO 13982-
1:2004/A1:2010
EN ISO 6529:2013
EN ISO 6530:2005
EN ISO 13688:2013
EN 464:1994

Notes:

Only for professional use. Clean regularly in accordance with the manufacturer's instructions.

Pictogram:



Obligatory feet protection.

Protective equipment:

Safety footwear to protect against chemical hazards, with anti-electrostatic properties and resistant to high temperatures.

Marking:



CEN standards:
EN ISO 13287:2012
EN ISO 20345:2011
EN 13832-1:2019

Notes:

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Replace the footwear if there are any signs of damage.

F.- Additional emergency measures.

Emergency measures:



Emergency shower.

Standards:

ANSI Z358-1

ISO 3864-1:2011, ISO 3864-4:2011

Emergency measures:



Eye rinse device.

Standards:

DIN 12 899

ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure control:

Under Community environmental law, it is recommended not to allow the product and its packaging to get into the environment. For more information see section 7.1.

Volatile Organic Compounds:

According to the national law, this product has the following properties:

VOC (Content):	24,74 % mass
VOC concentration 20°C:	430 kg/m ³ (430 g/L)
Average carbon content:	6,48
Average molecular weight:	115,53 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical aspect:

Physical state 20°C:	liquid
Appearance:	highly viscous
Colour:	according to the labelling on the package
Odour:	characteristic
Odour threshold:	no data *

Volatility:

Boiling point at atmospheric pressure:	132°C
Vapour pressure 20°C:	1305 Pa
Vapour pressure 50°C:	6068 Pa (6,07 kPa)
Evaporation rate:	no data *

Product characteristic:

Density 20°C:	1500 - 1634 kg/m ³
Relative density 20°C:	no data *
Dynamic viscosity 20°C:	no data *
Kinematic viscosity 20°C:	no data *
Kinematic viscosity 40°C:	>20.5 cSt
Concentration:	no data *
pH:	no data *
Vapour pressure 20°C:	no data *
n-octanol/water partition coefficient 20°C:	no data *
Solubility in water 20°C:	no data *
Degree of solubility:	no data *
Breakdown point:	no data *
Melting /freezing point:	no data *

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Explosive properties: no data *
Oxidizing properties: no data *

Flammability:

Flash point: 29°C
Flammability (solid, gas): no data *
Auto ignition point: 315°C
Bottom flammability limit: not specified
Top flammability limit: not specified

Explosiveness:

Bottom explosive limit: no data *
Top explosive limit: no data *

9.2. Other information

Surface tension 20°C: no data *
Refraction index: no data *

* There is no information on hazards caused by the product.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is not reactive under normal conditions of storage. See section 7.

10.2. Chemical stability

Chemically stable under conditions of storage and use.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to be avoided

Use and store at room temperature.

Shakes and friction: not applicable.
Contact with air: not applicable.
Heating: Risk of ignition.
Sunlight: Avoid direct influence.
Humidity: not applicable.

10.5. Incompatible materials

Acids: not applicable.
Water: not applicable.
Oxidants: avoid direct influence.
Flammable materials: not applicable.
Other: avoid strong bases.

10.6. Hazardous decomposition products

For a detailed description of the decomposition products, see sections 10.3, 10.4 and 10.5. Depending on the conditions of decomposition, complex mixtures of chemicals may be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds. See section 5 for more information.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

There is no experimental data on the toxicological properties of the product.

Health hazard:

In the event of exposure that is repeated, prolonged or at concentrations higher than the recommended occupational exposure limits, health side effects may occur depending on the route of exposure:

A. Ingestion (acute effect):

- Acute toxicity: Based on the available data, the classification criteria are not met. The product does not contain substances classified as dangerous if swallowed. For more information see section 3.
- Caustic/Irritating: Based on the available data, the classification criteria are not met, but the product contains substances classified as dangerous. For more information see section 3.

B. Inhalation (acute effect):

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- Acute toxicity: Based on the available data, the classification criteria are not met, but the product contains substances classified as dangerous if inhaled. For more information see section 3.
- Caustic/Irritating: Based on the available data, the classification criteria are not met, but the product contains substances classified as dangerous. For more information see section 3.

C. Contact with skin and eyes (acute effect):

- Contact with skin: Based on the available data, the classification criteria are not met, but the product contains substances classified as dangerous in contact with skin. For more information see section 3.
- Contact with eyes: Based on the available data, the classification criteria are not met, but the product contains substances classified as dangerous. For more information see section 3.

D. CMR effects (carcinogenicity, mutagenicity and harmful effect on reproduction):

- Carcinogenicity: Based on the available data, the classification criteria are not met. The product does not contain substances classified as dangerous due to the above mentioned effects. For more information see section 3.

IARC: Titanium dioxide (2B); Silicon dioxide (RCS <1%) (3); Soot (2B); Quartz (1% <RCS <10%) (1); Talc (3); Xylene (3)

- May cause genetic defects: Based on the available data, the classification criteria are not met. The product does not contain substances classified as dangerous. For more information see section 3.
- May impair fertility: Based on the available data, the classification criteria are not met. The product does not contain substances classified as dangerous. For more information see section 3.

E. Allergic effects:

- Respiratory: Based on the available data, the classification criteria are not met. The product does not contain substances classified as dangerous due to allergic effects. For more information see section 3.
- Dermal: Based on the available data, the classification criteria are not met. The product does not contain substances classified as dangerous. For more information see section 3.

F. Specific target organ toxicity (STOT) exposure time:

Based on the available data, the classification criteria are not met, but the product contains substances classified as dangerous if inhaled. For more information see section 3.

G. Specific target organ toxicity (STOT), repeated exposure:

- Specific target organ toxicity (STOT), repeated exposure: Based on the available data, the classification criteria are not met, but the product contains substances classified as dangerous. For more information see section 3.
- Skin: Take off contaminated clothes and shoes, clean the skin or wash the injured person with natural soap, and rinse with lots of cold water. In the event of serious disturbances see a doctor. If the mixture has caused burns or frostbite, do not remove clothes from the injured person, because when the clothes are stuck to the skin, this can cause even more damage. If blisters appear on the skin, do not pierce them, as it may increase the risk of infection.

H. Aspiration hazard:

Based on the available data, the classification criteria are not met, but the product contains substances classified as dangerous. For more information see section 3.

Other information:

No data.

Detailed toxicological information about the substances:

Butyl acetate

CAS: 123-86-4

EC: 204-658-1

LD50 oral	12789 mg/kg	Rat
LD50 dermal	14112 mg/kg	Rabbit
LC50 inhalation	23.4 mg/L (4 h)	Rat

2-methoxy-1-methylethyl acetate

CAS: 108-65-6

EC: 203-603-9

LD50 oral	8532 mg/kg	Rat
LD50 dermal	5100 mg/kg	Rat
LC50 inhalation	30 mg/L (4 h)	Rat

Xylene

CAS: 1330-20-7

EC: 215-535-7

LD50 oral	2100 mg/kg	Rat
LD50 dermal	1100 mg/kg (ATEi)	Rat
LC50 inhalation	11 mg/L (4 h) (ATEi)	

Trizinc bis(orthophosphate)

CAS: 7779-90-0

EC: 231-944-3

LD50 oral	>2000 mg/kg	
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LD50 dermal >2000 mg/kg
 LC50 inhalation >5 mg/L

Butanone
 CAS: 78-93-3
 EC: 201-159-0
 LD50 oral 4000 mg/kg Rat
 LD50 dermal 6400 mg/kg Rabbit
 LC50 inhalation 23.5 mg/L (4 h) Rat

Acetic acid
 CAS: 64-19-7
 EC: 200-580-7
 LD50 oral >2000 mg/kg
 LD50 dermal >2000 mg/kg
 LC50 inhalation >20 mg/L

SECTION 12: ECOLOGICAL INFORMATION

There are no experimental data on the ecotoxicological properties of the mixture itself.

12.1. Toxicity

Identification	Acute toxicity	Type	Type
Butyl acetate CAS: 123-86-4 EC: 204-658-1			
LC50	62 mg/L (96 h)	<i>Leuciscus idus</i>	Fish
EC50	73 mg/L (24 h)	<i>Daphnia magna</i>	Crustacea
EC50	675 mg/L (72 h)	<i>Scenedesmus subspicatus</i>	Alga
Xylene CAS: 1330-20-7 EC: 215-535-7			
LC50	13.5 mg/L (96 h)	<i>Oncorhynchus mykiss</i>	Fish
EC50	3.4 mg/L (48 h)	<i>Ceriodaphnia dubia</i>	Crustacea
EC50	10 mg/L (72 h)	<i>Skeletonema costatum</i>	Alga
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9			
LC50	161 mg/L (96 h)	<i>Pimephales promelas</i>	Fish
EC50	481 mg/L (48 h)	<i>Daphnia sp.</i>	Crustacea
EC50	no data		
Trizinc bis(orthophosphate) CAS: 7779-90-0 EC: 231-944-3			
LC50	0.1 - 1 mg/L (96 h)		Fish
EC50	0.1 - 1 mg/L		Crustacea
EC50	0.1 - 1 mg/L		Alga
Butanone CAS: 78-93-3 EC: 201-159-0			
LC50	3220 mg/L (96 h)	<i>Pimephales promelas</i>	Fish
EC50	5091 mg/L (48 h)	<i>Daphnia magna</i>	Crustacea
EC50	4300 mg/L (168 h)	<i>Scenedesmus quadricauda</i>	Alga
Acetic acid CAS: 64-19-7 EC: 200-580-7			
LC50	75 mg/L (96 h)	<i>Lepomis macrochirus</i>	Fish
EC50	47 mg/L (24 h)	<i>Daphnia magna</i>	Alga
EC50	no data		

12.2. Persistence and degradability

Identification	Degradability	Biodegradability
Butyl acetate CAS: 123-86-4 EC: 204-658-1		
	BOD5 No data	Concentration No data
	COD No data	Time 5 days
	BOD5 / COD 0.79	% biodegradable 84 %
Xylene CAS: 1330-20-7 EC: 215-535-7		
	BOD5 No data	Concentration No data
	COD No data	Time 28 days
	BOD5 / COD No data	% biodegradable 88 %
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9		
	BOD5 No data	Concentration 785 mg/L
	COD No data	Time 8 days
	BOD5 / COD No data	% biodegradable 100 %

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Butanone CAS: 78-93-3 EC: 201-159-0

BOD5	2.03 g O2/g	Concentration	No data
COD	2.31 g O2/g	Time	20 days
BOD5 / COD	0.88	% biodegradable	89 %

Acetic acid CAS: 64-19-7 EC: 200-580-7

BOD5	No data	Concentration	100 mg/L
COD	No data	Time	14 days
BOD5 / COD	No data	% biodegradable	74 %

12.3. Bioaccumulative potential

Identification
 Butyl acetate
 CAS: 123-86-4
 EC: 204-658-1

Bioaccumulative potential	
BCF	4
Log POW	1.78
Potential	Low

Xylene
 CAS: 1330-20-7
 EC: 215-535-7

BCF	9
Log POW	2.77
Potential	Low

2-methoxy-1-methylethyl acetate
 CAS: 108-65-6
 EC: 203-603-9

BCF	1
Log POW	0.43
Potential	Low

Butanone
 CAS: 78-93-3
 EC: 201-159-0

BCF	3
Log POW	0.29
Potential	Low

Acetic acid
 CAS: 64-19-7
 EC: 200-580-7

BCF	3
Log POW	-0.71
Potential	Low

12.4. Mobility in soil

Identification
 Butyl acetate
 CAS: 123-86-4
 EC: 204-658-1

Absorbtion/desorbtion	
Koc	No data
Conclusions	No data
Surface tension	2.478E-2 N/m (25 °C)

Variability	
Henre's constant	No data
Dry soil	No data
Wet soil	No data

Xylene
 CAS: 1330-20-7
 EC: 215-535-7

Koc	202
Conclusions	Medium
Surface tension	No data

Henre's constant	524.86 Pa·m ³ /mol
Dry soil	Yes
Wet soil	Yes

Butanone
 CAS: 78-93-3
 EC: 201-159-0

Koc	30
Conclusions	Very high
Surface tension	2.396E-2 N/m (25 °C)

Henre's constant	5.77 Pa·m ³ /mol
Dry soil	Yes
Wet soil	Yes

Acetic acid
 CAS: 64-19-7
 EC: 200-580-7

Koc	No data
Conclusions	No data
Surface tension	2.699E-2 N/m (25 °C)

Henre's constant	No data
Dry soil	No data
Wet soil	No data

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria of PBT/vPvB.

12.6. Other hazardous effects

No information.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The product must be disposed of in compliance with the proper local and statutory regulations with regard to waste – see section 15 of the Sheet.

Product remains:

Waste code:

08 01 11*

15 01 10*

Description:

Waste paint and varnish containing organic solvents or other hazardous substances. Packaging containing residues of or contaminated by hazardous substances.

Waste type (Commission Regulation (EU) no 1357/2014):
Dangerous.

Waste type (Commission Regulation (EU) no 1357/2014):
HP14 Ecotoxic, HP3 Flammable

Waste administration (disposal and assessment):

It should be handed over to a specialized waste disposal company authorized to assess and remove waste in accordance with Annex 1 and Annex 2 (Directive 2008/98 / EC of the European Parliament and of the Council). According to the code 15 01 (2014/955 / EU), if the container is in direct contact with the product, it should be handled in the same way as the product. Otherwise, it should be handled as non-hazardous waste. Its discharge into water courses is not recommended. See section 6.2.

Waste administration provisions:

Pursuant to Annex II of Regulation (EC) No 1907/2006 (REACH), Community or national provisions related to waste management have been adopted.

Community law:

Directive 2008/98/EC, 2014/955/EU, Commission Regulation (EU) no 1357/2014

SECTION 14: TRANSPORT INFORMATION

Inland transport of dangerous goods:

According to the requirements of ADR 2019 and RID 2019:

14.1. UN number

UN1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class (-es)

3

Label: 3



14.4. Packaging group

III

14.5. Environmental hazards

No.

14.6. Special precautions for user

Special provisions:	163, 367, 650
Tunnel restriction code:	D/E
Physical and chemical properties:	see section 9
Limited quantity:	5 L

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

No data.

Marine transport of dangerous goods:

According to the requirements of IMDG 38-16:

14.1. UN number

UN1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class (-es)

3
Label: 3



14.4. Packaging group

III

14.5. Environmental hazards

No.

14.6. Special precautions for user

Special provisions:	163, 223, 367, 955
EmS codes:	F-E, S-E
Physical and chemical properties:	see section 9
Limited quantity:	5 L
Segregation group:	No data

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

No data.

Air transport of dangerous goods:

According to the requirements of IATA/ICAO 2020:

14.1. UN number

UN1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class (-es)

3

Label: 3



14.4. Packaging group

III

14.5. Environmental hazards

No.

14.6. Special precautions for user

Physical and chemical properties:	see section 9
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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 for authorization according to Regulation (EC) 1907/2006 (REACH): No data available
Substances present in Annex XIV of REACH (authorization list) and expiry date: No data available
Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer: No data available
Article 95, REGULATION (EU) NO 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL: Acetic acid
REGULATION (EU) No 649/2012 concerning the export and import of dangerous chemicals No data available

Seveso III:

Section: P5c

Description: FLAMMABLE LIQUIDS

Requirements concerning lower tier establishments: 5000

Requirements concerning upper tier establishments: 50000

Specific provisions for the protection of people or the environment:

It is recommended to use the information collected in this safety data sheet as a preliminary data to assess the local risk in order to take the necessary steps to prevent the risks associated with the handling of this product, 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 as 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 (EC) No 1907/2006 as amended.
- Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
- 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 (EU) No 98/2013 of the European Parliament and of the Council of 15 January 2013 on the marketing and use of explosives precursors.

15.2. Chemical safety assessment

Not performed.

SECTION 16: OTHER INFORMATION

Regulations concerning Material Safety Data Sheets:

This safety data sheet was prepared in accordance with ANNEX II-Guide for persons drawing up Safety Data Sheets to Regulation (EC) No. 1907/2006 (Regulation (EU) No 2015/830)

Texts from the regulation mentioned in section 2:

H412: Harmful to aquatic life with long-lasting effects
H226: Flammable liquid and vapour

Texts from the regulation mentioned in section 3:

These phrases do not refer to the product itself, they are given for information purposes only and refer to individual components that appear in Section 3.

Regulation no 1272/2008 (CLP):

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled
Aquatic Acute 1: H400 - Very toxic to aquatic life
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long-lasting effects
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways
Eye Irrit. 2: H319 - Causes serious eye irritation
Flam. Liq. 2: H225 - Highly flammable liquid and vapour
Flam. Liq. 3: H226 - Flammable liquid and vapour
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage
Skin Irrit. 2: H315 - Causes skin irritation
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral)
STOT SE 3: H335 - May cause respiratory irritation
STOT SE 3: H336 - May cause drowsiness or dizziness

Classification process:

Aquatic Chronic 3: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3.)

Advice on staff training:

It is recommended that the personnel who will handle this product receive basic training in the field of safety at work to facilitate understanding and interpretation of the safety data sheet and product label.

Main sources of literature:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations used in the text:

Supp. class.: Supplier classification
ADR: International Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Dangerous Goods Code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
COD: Chemical oxygen demand (COD)
BOD: Biochemical oxygen demand (BOD) during 5 days
BCF: bioconcentration factor
Log POW: log octanol / water partition coefficient
MPC: maximum permissible concentration
MPIC: maximum permissible instantaneous concentration
EC50: effective concentration (the concentration of the component at which 50% of the organisms are effective within a specified time period)
LD50: median lethal dose
LC50: median lethal concentration
EC50: median effective concentration
PBT: bioaccumulative potential of toxic substances
vPvB: very high bioaccumulative potential of toxic substances
PPM: personal protection measures
STP: sewage treatment plants
Henre's constant: the solubility of a given component in solution as a function of the partial pressure of that component above the solution
EC: EINECS and ELINCS number (see also EINECS and ELINCS)
EINECS: European Inventory of Existing Chemical Substances
ELINCS: European List of Notified Chemical Substances
CEN: European Committee for Standardization
STOT: specific target organ toxicity
Koc: the partition coefficient normalized for the content of organic carbon, it determines the degree of absorption of organic substances in soil
DNEL: derived no-effect exposure level
PNEC: predicted no effect concentration in the environment
WD: registration number from the Waste Database

The information contained in this Safety Data Sheet is based on sources and technical knowledge and applicable law at European and national level, and its accuracy cannot be fully guaranteed. This information cannot be considered as a guarantee of the properties of the product, as it is only about the description of safety requirements. The working methods and conditions of users of this product are beyond our knowledge and control, and it is the user's responsibility to take appropriate measures to comply with legal requirements with respect to the handling, storage, use and disposal of chemical products. The information contained in this Safety Data Sheet relates only to the given product, which must not be used for purposes other than those specified therein.

Changes to the card: sections 1.1., 16.

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