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

1.1. Product identification **ACRYLIC COAT 2:1 MS PLUS** UFI: 5990-M0GR-400T-82PG

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

Acrylic coat (component A) to be applied with a spray gun. For professional use in car refinish.

1.3. Data of the safety data sheet supplier

Przedsiębiorstwo RANAL Sp. z o.o.

Tel.: +48 34 329 45 03 Ul. Łódzka 3 Fax: +48 34 320 12 16

42-240 Rudniki k. Częstochowy, PL 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 mixture was classified as hazardous according to the regulations in force - see section 15 of the Safety Data Sheet.

Classification 1272/2008/EC*:

Flammable liquids, Category 3. H226 Skin corrosion/irritation, Category 2, H315 Specific target organ toxicity - single exposure, category 3, narcotic effect. H336 Full text of H - and EUH phrases: see section 16

Adverse effects related to physicochemical properties, effects on human health and the environment*:

No further data available.

2.2. Label elements

Contains: Xylene.

Pictograms:





GHS02, GHS07 * Signal word: Warning.

Hazard statements (CLP): *

Flammable liquid and vapour. H226

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements (CLP): *

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

P261 Do not breathe vapours/spray

P271 Use only outdoors or in a well-ventilated area

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

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

2.3. Other hazards

Does not contain PBT/vPvB substances ≥ 0.1% assessed in accordance with Annex XIII of REACH. *

The mixture does not contain any substance(s) included in the list established in accordance with Art. 59 sec. 1 of the REACH Regulation due to endocrine disrupting properties or is not identified as endocrine disrupting in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in a concentration equal to or greater than 0,1 % by weight. *

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.



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3.2. Mixtures

Name	Product identification	%	Classification according to the regulation (EC) no 1272/2008 [CLP]
Butyl acetate the substance has an occupational exposure limit(s) (PL); substance with a Community-wide occupational exposure limit value *	CAS number: 123-86-4 EC number: 204-658-1 Index number: 607-025-00-1 REACH: 01-2119485493-29	20 - 30	Flam. Liq. 3, H226, STOT SE 3, H336
Xylene the substance has an occupational exposure limit(s) (PL); substance with a Community-wide occupational exposure limit value * (Note C)	CAS number: 1330-20-7 EC number: 215-535-7 Index number: 601-022-00-9 REACH: 01-2119488216-32	8 - 15	Flam. Liq. 3, H226, Acute Tox. 4(Skin), H312 Acute Tox. 4 (Inhalation), H332, Skin Irrit. 2, H315
1-Methoxy-2-propyl acetate the substance has an occupational exposure limit(s) (PL); substance with a Community-wide occupational exposure limit value *	CAS number: 108-65-6 EC number: 203-603-9 Index number: 607-195-00-7 REACH: 01-2119475791-29	5 - 10	Flam. Liq. 3, H226
Butylglycol acetate the substance has an occupational exposure limit(s) (PL); substance with a Community-wide occupational exposure limit value *	CAS number: 112-07-2 EC number: 203-933-3 Index number: 607-038-00-2 REACH: 01-2119475112-47	1 - 5	Acute Tox. 4 (Inhalation), H332 , Acute Tox. 4 (Skin), H312

Note C*: Some organic substances are placed on the market as a specific isomer or as a mixture of several isomers. In this case, the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H and EUH phrases: see section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information: See section 11 of the Material Safety Data Sheet.

First aid- after inhalation: If difficulties in breathing occur, remove the victim to fresh air and keep at rest in a position comfortable for breathing. *

First aid-after skin contact: In case of skin contamination, immediately remove all contaminated clothing and wash contaminated skin with plenty of soap and water. Rinse skin with water/or shower. If skin irritation or rash occurs: Get medical advice/attention. If skin irritation persists, consult a doctor. *

First aid- after contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a doctor. In the case of contact with eyes, immediately rinse with plenty of water and get medical advice.*

First aid- after ingestion: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a doctor. *

4.2. Most important symptoms both acute and delayed

Vapours may cause drowsiness and dizziness.

Prolonged or repeated contact may cause skin dryness.*

May cause eye irritation.*

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

Symptomatic treatment. *

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing powder, foam resistant to alcohol, carbon dioxide, water mist. Do not use strong jets of water. *

5.2. Special hazards arising from the substance or mixture

As a result of a fire, carbon monoxide and other toxic gases are generated.

5.3. Advice for fire fighters

Do not intervene without appropriate protective equipment. Self-contained, breathing apparatus. Compete protective clothing.*

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, Precautions equipment and emergency measures

For personnel non taking part in emergency procedures:

Eliminate all sources of ignition. Provide adequate ventilation. Avoid any direct and indirect contact with released components. Avoid contact with skin and eyes. Use the required personal protective measures. See section 8. *



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For personnel taking part in emergency procedures:

Do not intervene without appropriate protective equipment. See section 8.*

6.2. Environmental precautions

Avoid release to the environment. Prevent from entering surface water and sewage system. Do not allow the product to enter groundwater, water reservoirs or sewage systems, even in small quantities.*

6.3. Methods and materials for containment and cleaning up

Cover the spilled product with a non-combustible material such as sand, earth, vermiculite. Collect the product mechanically.*

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

Provide good ventilation of the workplace. Keep away from heat sources, hot surfaces, sources of sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Wear personal protection measures.*

Hygiene recommendations*:

Wash contaminated clothes before using them again. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink and smoke when using the product. Wash hands after each contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

<u>Technical measures*:</u> Ground/bond container and receiving equipment.

Storage conditions*: Store in a well-ventilated place. Keep cool. Keep container tightly closed.

7.3. Special end use (s)

No further data available.*

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. Control parameters

Y-1--- (1000 00 T)

National values of the highest permissible concentrations in the work environment and biological limit values*:

Xylene (1330-20-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Xylene, mixed isomers, pure	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	442 mg/m³	
IOEL STEL [ppm]	100 ppm	
Warning	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Poland- The highest permissible concentration at the workplace		
Local name	Xylene mixture of isomers: 1,2-; 1,3-; 1,4-	
NDS (OEL TWA)	100 mg/m³	
NDSCh (OEL STEL)	200 mg/m³	
Regulatory reference	Official Journal 2018 item 1286	
1-Methoxy-2-propyl acetate (108-65-6)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	2-Methoxy-1-methylethylacetate	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	550 mg/m ³	
IOEL STEL [ppm]	100 ppm	
Warning	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	



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Poland- The highest permissible concentration at the workplace		
Local name	2-methoxy-1-methylethyl acetate	
NDS (OEL TWA)	260 mg/m³	
NDSCh (OEL STEL)	520 mg/m³	
Regulatory reference	Official Journal 2018 item 1286	
Butyl acetate (123-86-4)		
EU - Indicative Occupational Exposure Limit (IOEL	.)	
Local name	n-Butyl acetate	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	723 mg/m³	
IOEL STEL [ppm]	150 ppm	
Regulatory reference	COMMISSION DIRECTIVE-EU) 2019/ 1831	
Poland- The highest permissible concentration at the workplace		
Local name	n-butyl acetate	
NDS (OEL TWA)	240 mg/m³	
NDSCh (OEL STEL)	720 mg/m ³	
Regulatory reference	Official Journal 2018 item 1286	
Butylglycol acetate (112-07-2)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	2-Butoxyethyl acetate	
IOEL TWA [ppm]	20 ppm	
IOEL STEL	333 mg/m ³	
IOEL STEL [ppm]	50 ppm	
Warning	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Poland- The highest permissible concentration at the workplace		
Local name	2-butoxyethyl acetate	
NDS (OEL TWA)	100 mg/m ³	
NDSCh (OEL STEL)	300 mg/m ³	
Regulatory reference	Official Journal 2018 item 1286	

Recommended monitoring procedures*:

Monitoring method EN 482. Exposure at workplaces– general requirements for the characteristics of chemical agents measurement procedures.

Air pollutants formation*:

No further data available.

DNEL and PNEC*:		
Xylene (1330-20-7)		
DNEL/DMEL (Workers)		
Acute - systemic effects after inhalation	289 mg/m³	
Acute - local effects after inhalation	289 mg/m³	
Long-term - systemic effects, in contact with skin	180 mg/kg body weight /day	
Long - term systemic effects after inhalation	77 mg/m³	
DNEL/ DMEL (General population)		
Acute - systemic effects after inhalation	174 mg/m³	
Acute - local effects after inhalation	174 mg/m³	
Long - term systemic effects after ingestion	1.6 mg/kg body weight /day	

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Language to the second	14.0(2
Long - term systemic effects after inhalation	14.8 mg/m³
Long-term - systemic effects, in contact with skin	108 mg/kg body weight /day
PNEC (Water)	
PNEC (freshwater)	0.327 mg/l
PNEC (sea water)	0.327 mg/l
PNEC aqua (intermittent, freshwater)	0.327 mg/l
PNEC (Sediments)	
PNEC sediments (freshwater)	12.46 mg/kg of dry mass
PNEC sediments (sea water)	12.46 mg/kg of dry mass
PNEC (Soil)	
PNEC Soil	2.31 mg/kg of dry mass
PNEC (STP)	
PNEC Sewage Treatment Plant	6.58 mg/l
1-Methoxy-2-propyl acetate (108-65-6)	
DNEL/DMEL (Workers)	
Acute - local effects after inhalation	550 mg/m³
Long-term - systemic effects, in contact with skin	796 mg/kg body weight /day
Long - term systemic effects after inhalation	275 mg/m³
DNEL/ DMEL (General population)	
Long - term systemic effects after ingestion	36 mg/kg body weight /day
Long - term systemic effects after inhalation	33 mg/m³
Long-term - systemic effects, in contact with skin	320 mg/kg body weight /day
Long - term local effects after inhalation	33 mg/m³
PNEC (Water)	
PNEC (freshwater)	0.635 mg/l
PNEC (sea water)	0.0635 mg/l
PNEC aqua (intermittent, freshwater)	6.35 mg/l
PNEC (Sediments)	
PNEC sediments (freshwater)	3.29 mg/kg of dry mass
PNEC sediments (sea water)	0.329 mg/kg of dry mass
PNEC (Soil)	
PNEC Soil	0.29 mg/kg of dry mass
PNEC (STP)	
PNEC Sewage Treatment Plant	100 mg/l
Butyl acetate (123-86-4)	
PNEC (Water)	
PNEC (freshwater)	0.18 mg/l
PNEC (sea water)	0.018 mg/l
PNEC aqua (intermittent, freshwater)	0.36 mg/l
PNEC (Sediments)	
PNEC sediments (freshwater)	0.981 mg/kg of dry mass
PNEC sediments (sea water)	0.0981 mg/kg of dry mass
PNEC (Soil)	1
PNEC Soil	0.0903 mg/kg of dry mass



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PNEC (STP)	
PNEC Sewage Treatment Plant	35.6 mg/l
Butylglycol acetate (112-07-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, in contact with skin	120 mg/kg body weight /day
Acute - local effects after inhalation	333 mg/m³
Long-term - systemic effects, in contact with skin	169 mg/kg body weight /day
Long - term systemic effects after inhalation	133 mg/m³
DNEL/ DMEL (General population)	
Acute - systemic effects, in contact with skin	72 mg/kg body weight /day
Acute - systemic effects after ingestion	36 mg/kg body weight /day
Acute - local effects after inhalation	200 mg/m³
Long - term systemic effects after ingestion	8.6 mg/kg body weight /day
Long - term systemic effects after inhalation	80 mg/m³
Long-term - systemic effects, in contact with skin	102 mg/kg body weight /day
PNEC (Water)	
PNEC (freshwater)	0.304 mg/l
PNEC (sea water)	0.0304 mg/l
PNEC aqua (intermittent, freshwater)	0.56 mg/l
PNEC (Sediments)	
PNEC sediments (freshwater)	2.03 mg/kg of dry mass
PNEC sediments (sea water)	0.203 mg/kg of dry mass
PNEC (Soil)	•
PNEC Soil	0.415 mg/kg of dry mass
PNEC (Oral)	
PNEC after ingestion (secondary poisoning)	60 mg/kg of food
PNEC (STP)	
PNEC Sewage Treatment Plant	90 mg/l

Risk management*: No further data available.

8.2. Exposure control

Technical control measures*: Provide good ventilation of the workplace.

Symbols of personal protective equipment:







Eye or face protection: Safety glasses *

Skin and body protection:

Proper protective clothes (coated impregnated fabrics).

Hands protection*:

Туре	Material	Breakthrough time	Thickness (mm)	Penetration	Standards
Disposable gloves	Viton® II	6 (> 480 minutes)	0.7 mm		EN 374-3
Disposable gloves	Nitrile rubber (NBR)	2 (> 30 minutes)	0.4 mm		EN 374-3

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Respiratory protection*:

Equipment	Filter type	Condition	Standard
Gas mask with filter type	Filter A1/B1		EN 14387

Thermal hazards*:

No further data available.

Environmental control:

Avoid release to the environment.*

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties*

Physical state Colour clear

Odour strong, penetrating 0.9-9 mg/m³ (xylene) **Odour threshold Melting point** not applicable

Freezing point not available **Boiling point** 120-130°C Flammability of the materials Not applicable

% bottom: 1.1 Vol %, top: 8.0 Vol% (xylene) **Explosion limits:**

Flash point app.435°C Auto ignition point Breakdown point not specified not applicable. pН Kinematic viscosity* not applicable Solubility (in water) poor

n-octanol/water partition coefficient (log Kow*) not available* 9 hPa (20°C) Vapour pressure

Vapour pressure at 50 °C* not available

approx. 1.0 g/cm3 (20°C) **Density** Relative density* not available

Relative vapour density at 20°C* not available Particle characteristics* not applicable

9.2. Other information

No data.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is not reactive under normal conditions.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions under normal conditions of use unknown. *

10.4. Conditions to be avoided

Protect against ignition sources. Avoid the accumulation of electrostatic charges (e.g. by grounding). Protect from sunlight. Avoid high temperatures.*

10.5 Incompatible materials

Avoid contact with large amounts of organic peroxides, strong acids and bases, as well as other strong oxidants.

10.6. Hazardous decomposition products

No hazardous product shall be formed under normal conditions of storage and use. Thermal decomposition may produce: Carbon monoxide. Other toxic gases. *

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on the hazard classes defined in Regulation (EC) No 1272/2008*

Acute toxicity*:

Acute toxicity (oral): Not classified (based on available data the classification criteria are not met). Acute toxicity (skin): Not classified (based on available data the classification criteria are not met). Acute toxicity (inhalation): Not classified (based on available data the classification criteria are not met). Page: 7 of 13



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Kylene (1330-20-7)		
LD50 oral, rat	3523 mg/kg (rat)	
LD50 skin, rabbit	12126 mg/kg body weight Animal: rabbit, Animal sex: male	
LC50 inhalation - rat	27124 mg/l	
1-Methoxy-2-propyl acetate (1	08-65-6)	
LD50, skin, rat	> 2000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
Butyl acetate (123-86-4)		
LD50 oral, rat	12.2 ml/kg Source: ECHA	
LC50 inhalation - rat (vapours)	> 4.9 mg/l Source: ECHA	
Butylglycol acetate (112-07-2)		
LD50 oral, rat	≈ 1880 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute and Toxicity), Remarks on results: other:	
LD50 skin, rabbit	≈ 1500 mg/kg body weight Animal: rabbit, Remarks on results: other:	
LC50 Inhalation - Rat [ppm]	> 400 ppm Source: ECHA	

Skin corrosion/irritation: Causes skin irritation.

pH: not applicable.

Butyl acetate (123-86-4)	
рН	6.2 Temp.: 20 °C Concentration: 5.3 g/L

Serious eye damage/eye irritation: No data confirming the hazard class.

pH: not applicable.

Butyl acetate (123-86-4)	
рН	6.2 Temp.: 20 °C Concentration: 5.3 g/L

Allergic effect on airways or skin: The mixture is not classified as sensitizing. No data confirming the hazard class. **Mutagenic effect on germ cells:** The mixture is not classified as mutagenic. No data confirming the hazard class.

Carcinogenicity: The mixture is not classified as carcinogenic. No data confirming the hazard class.

Reproductive toxicity: The mixture is not classified as having harmful effect on reproduction. No data confirming the hazard class.

Specific target organ toxicity – single exposure: May cause drowsiness or dizziness.

Butyl acetate (123-86-4)	
Specific target organ toxicity – single exposure:	May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure: No data confirming the hazard class.

Xylene (1330-20-7)		
LOAEL (oral, rat, 90 days)	150 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)	
1-Methoxy-2-propyl acetate (108	3-65-6)	
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
NOAEL (Skin, rat /rabbit, 90 days)	> 1000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)	
Butyl acetate (123-86-4)		
LOAEL (oral, rat, 90 days)	500 mg/kg body weight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)	
NOAEL (oral, rat, 90 days)	125 mg/kg body weight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)	
Butylglycol acetate (112-07-2)		
NOAEL (Skin, rat /rabbit, 90 days)	> 150 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)	

Aspiration hazard: No data confirming the hazard class.

Butyl acetate (123-86-4)	
Kinematic viscosity	0.83 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'



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11.2. Information on other hazards*

No further data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous for the aquatic environment, short-time (acute): Not classified (based on available data the classification criteria are not met). Hazardous to the aquatic environment, long-term (chronic): Not classified (based on available data the classification criteria are not met). It is not easily degradable.

Xylene (1330-20-7)		
LC50 - Fish [1] 2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)		
EC50 - Crustaceans [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia	
NOEC for chronic toxicity to fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'	
1-Methoxy-2-propyl acetate (108-6	5-6)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Oryzias latipes	
EC50 - Crustaceans [1]	> 500 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC for chronic toxicity to fish	47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'	
Butyl acetate (123-86-4)		
LC50 - Fish [1]	18 mg/l Source: ECHA	
EC50 - Crustaceans [1]	44 mg/l Source: ECHA	
EC50 - Other aquatic organisms [1]	32 mg/l Test organisms (species): Artemia salina	
EC50 72h - Algae [1]	674.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 72h - Algae [2]	246 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
LOEC (chronic)	47.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	23.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
Butylglycol acetate (112-07-2)		
LC50 - Fish [1]	20 – 40 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustaceans [1]	37 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	1570 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata Selenastrum capricornutum)	
EC50 72h - Algae [2]	520 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
Algae ErC50	1570 mg/l Source: ECHA	

12.2. Persistence and degradability

No further data available.*

12.3 Bioaccumulative potential

Butyl acetate (123-86-4)		
n-octanol/water partition coefficient (Log Pow):	1.78 Source: HSDB	
Butylglycol acetate (112-07-2)		
n-octanol/water partition coefficient (Log Pow):	1.51 Source: ECHA	

12.4. Mobility in soil

No further data available.*

12.5. Results of PBT and vPvB assessment

No data.



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12.6. Endocrine disrupting properties*

No further data available.

12.7. Other hazardous effects*

No data

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of according to applicable local and official waste regulations - see section 15.

Product remains:

Waste code: 08 01 11*

Do not discharge the product into the sewage system. Must not be disposed of with municipal waste. Remove the remains of the mixture carefully and harden with the use of the proper B component, a (waste) hardener from the set. Hardened product is not a hazardous waste. CAUTION: harden the remains in small portions away from flammable products. High amounts of heat are released during chemical reaction!

Contaminated packaging:

Packaging containing unhardened product remains is hazardous waste.

Waste code: 15 01 10*

Must not be disposed of with municipal waste. Contaminated container should be handed over to entities, which are authorized to collect, recover or dispose of wastes.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number*

1866

14.2. UN proper shipping name

ADR RESIN, SOLUTION
IMDG RESIN SOLUTION
IATA Resin solution

Description of the shipping document*: ADR UN 1866 RESIN, SOLUTION, 3, III, (D/E) IMDG UN 1866 RESIN SOLUTION, 3, III (26°C c.c.) IATA UN 1866 Resin solution, 3, III

14.3. Transport hazard class (-es)



14.4. Packaging group

111

14.5. Environmental hazards

No.

Marine pollutants: No

14.6. Special precautions for users

Road transport:

Classification code (ADR) F1
Limited Quantities (ADR) 5I
Special packing provisions (ADR) PP1
Mixed Packing Regulations (ADR) MP19
Transport category (ADR) 3
Special provisions for carriage- Packages V12

30 1866

Orange Tiles:

Tunnel restriction code (ADR)

D/ E

Sea transport:

Special provisions (IMDG) 223, 955
Limited quantities (IMDG) 5L
Special packing provisions (IMDG) PP1

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EmS number (Fire)F-EEmS number (Spillage)S-ECargo Stowage Category (IMDG)A

Air transport:

No data.

14.7. Sea transport in bulk in accordance with IMO instruments* Not applicable.

SECTION 15: REGULATORY INFORMATION

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

EU Provisions:

- Annex XVII to the REACH Regulation (restriction conditions): It does not contain substances listed in Annex XVII to the REACH Regulation (restriction conditions).
- Annex XIV to the REACH Regulation (List of Authorizations): It does not contain substances listed in Annex XIV to the REACH Regulation (List of Authorizations).
- REACH Candidate List (SVHC): Contains no substances listed on the REACH Candidate List.
- PIC Regulation (EU 649/2012, Prior Informed Consent): It does not contain substances listed on the PIC list (EU Regulation 649/2012 on the export and import of dangerous chemicals).
- POP Regulation (EU 2019/1021, Persistent Organic Pollutants): It does not contain substances listed on the POP list (EU Regulation 2019/1021 on the export and import of dangerous chemicals).
- Ozone Depletion Regulation (EU 1005/2009): Contains no substances listed in the ozone depleting list (EU Regulation 1005/2009 on substances that deplete the ozone layer).
- Explosives Precursors Regulation (EU 2019/1148): It does not contain substances listed on the list of explosives precursors (EU Regulation 2019/1148 on the marketing and use of explosives precursors).
- Drug Precursors Regulation (EC 273/2004): It does not contain any substance(s) listed on the list of drug precursors (Regulation EC 273/2004 on the manufacture and marketing of certain substances used for the illicit manufacture of narcotic drugs and psychotropic substances)

Other regulations:

- Material Safety Data Sheet EU format according to Commission Regulation (EU) 2020/878.
- 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 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
- ADR Agreement: Government Statement of February 18, 2021 on the entry into force of amendments to Annexes A and B of the European Agreement on the International Carriage of Dangerous Goods by Road (ADR), drawn up in Geneva on September 30, 1957. (Journal of Laws of 2019, , item 874).

15.2. Chemical safety assessment

Not performed.

SECTION 16: OTHER INFORMATION

Explanation of abbreviations and acronyms:		
ADN	European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Estimated acute toxicity	
BCF	BCF bioconcentration factor	
BLV	Quantitative limit value	
BOD	Biochemical Oxygen Demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived level causing minimal changes	
DNEL	Derived no effect level of	
EC number:	European Community number	
EC50	Medium effective concentration	
EN	European standard	



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Explanation of abbreviations and acronyms:			
IARC:	International Agency for Research on Cancer		
IATA	International Air Transport Association		
IMDG	International Maritime Code for Dangerous Goods		
LC50	The concentration of the substance causing the death of 50% of the population of test organisms		
LD50	The Dose causing the death of 50% of the population of test organisms		
LOAEL	The lowest level at which harmful changes are observed		
NOAEC	Concentration at which no adverse effects are observed		
NOAEC	Dose level at which no adverse effects are observed		
NOEC	Maximum Concentration at which no adverse effects are observed		
OECD	Organization for Economic Cooperation and Development		
OEL	Occupational exposure limit value		
PBT	substance, which is Persistent, Bio-accumulative and toxic		
PNEC	Predicted no-effect concentration		
RID	Regulations the international carriage of dangerous goods by rail		
SDS	Safety Data Sheet		
STP	Sewage treatment plant		
ThOD	Theoretical Oxygen Demand (ThOD)		
TLM	Middle tolerance limit		
VOC	Volatile Organic Compounds		
CAS number:	CAS number:		
N.O.S.	Not otherwise specified		
vPvB	very Persistent and very Bio-accumulative		
ED	Endocrine disrupting properties		

 $Classification \ was \ made \ using \ the \ calculation \ method \ in \ accordance \ with \ the \ classification \ rules \ contained \ in \ Regulation \ No. \ 1272/2008 \ / \ EC$

Full text of H and EUH phrases:		
Acute Tox. 4 (Skin)	Acute toxicity - (skin), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (after inhalation), category 4	
Flam. Liq. 3	Flammable liquids, Category 3	
H226	Flammable liquid and vapour.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H332	Harmful if inhaled.	
Н336	May cause drowsiness or dizziness.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity - single exposure, category 3, narcotic effect	

Classification and procedure used to determine the classification of mixtures according to the Regulation (EC) 1272/2008[CLP]			
Flam. Liq. 3	H226	Expert assessment	
Skin Irrit. 2	H315	Expert assessment	
STOT SE 3	H336	Expert assessment	

Other data sources:

ECHA European Chemicals Agency

Changes in the Sheet compared to the previous version:

Update of sections:

9: rewording of sub-section 9.1: Information on basic physical and chemical properties

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11: rewording of sub-section 11.1: Information on the hazard classes defined in Regulation (EC) No 1272/ 2008: added subsection 11.2. Information on other hazards

12: new subsection 12.6: Endocrine disrupting properties.

14: rewording of sub-section 14.1: UN number or ID number; rewording of sub-section 14.7: Sea transport in bulk in accordance with IMO instruments.

Changes in the content of sections:

2.1, 2.2, 2.3, 3.2, 4.1, 4.2, 4.3, 5.1, 5.3, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 8.1, 8.2, 9.1, 10.3, 10.4, 10.6, 11.1, 11.2, 12.1, 12.2, 12.3, 12.4, 12.6, 12.7, 14.1, 14.2, 14.3, 14.6, 14.7, 15.1, 16. General update.

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