

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

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

**1.1. Product identification**

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

**UFI: YSW0-H05U-P004-EJY4**

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

Product significantly cutting down the drying and hardening time of two-component polyurethane and acrylic products.  
For professional use in car refinish.

**1.3 Data of the safety data sheet supplier**

**Przedsiębiorstwo RANAL Sp. z o.o.**

Ul. Łódzka 3  
42-240 Rudniki k. Częstochowy, PL

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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.

Acute toxicity - (skin), Category 4, H312.

Acute toxicity (after inhalation: dust/mist), category 4, H332.

Skin corrosion/irritation, category 2, H315.

Serious eye damage/eye irritation, category 2, H319.

Skin sensitization, category 1, H317.

Mutagenic effect on germ cells, category 2, H341.

Reproduction toxicity, category 1B, H360FD.

Specific target organ toxicity - single exposure, category 2, H371.

Specific target organ toxicity - repeated exposure, category 2, H373.

Hazardous to the aquatic environment, chronic toxicity, category 2, H411.

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**

Pictograms:



GHS02

GHS07

GHS08

GHS09\*

Signal word: **DANGER.**

Dibutyl tin dilaurate, xylene

Hazard statements (CLP)\*:

H226	Flammable liquid and vapour.
H312+ H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes eye irritation.
H341	Suspected of causing genetic defects.
H360FD	May cause harmful effect to reproduction. May be harmful to the unborn child.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long-lasting effects.

Precautionary statements (CLP)\*:

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapours/spray.

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305 +351 +338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+ P313	IF exposed or concerned: Get medical advice/attention.

**2.3. Other hazards**

Does not contain PBT/vPvB substances  $\geq 0.1\%$  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.

**3.2. Mixtures**

Name	Product identification	%	Classification according to the regulation (EC) no 1272/2008 [CLP]
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	78-88	Flam. Liq. 3, H226, Acute Tox. 4 (Skin), H312, Acute Tox. 4 (Inhalation), H332, Skin Irrit. 2, H315
Dibutyltin Dilaurate	CAS number: 77-58-7 EC number: 201-039-8 Index number: 050-030-00-3 REACH: 01-2119496068-27	< 3	Skin Corr. 1C, H314, Eye dam. 1, H318, Skin Sens. 1, H317, Muta. 2, H341, Repr. 1B, H360FD, STOT SE 1, H370, STOT RE 1, H372, Aquatic Acute 1, H400, Aquatic Chronic 1, H410
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	< 3	Flam. Liq. 3, H226, STOT SE 3, H336

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 hazard statements provided in section 16 of the Sheet.

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

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

Airways: If difficulties in breathing occur, remove the victim to fresh air and keep at rest in a position comfortable for breathing. \*

Skin: 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. \*

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. \*

Alimentary tract: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a doctor. \*

**4.2 Most important symptoms both acute and delayed**

Symptoms/effects in the event of inhalation: Vapours may cause drowsiness and dizziness. \*

Symptoms/effects in the event of skin contact: Prolonged or repeated contact may cause skin dryness. \*

Symptoms/effects in the event of contact with eyes: 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**

Suitable extinguishing agents: powder, foam resistant to alcohol, carbon dioxide, water mist.

Unsuitable extinguishing media\*: strong jet of water. \*

**5.2. Special hazards arising from the substance or mixture**

As a result of a fire, carbon monoxide and other toxic gases may be generated.\*

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

**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.\*

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**

Preventing the spread of contamination: 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**

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**

Technical measures: 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**

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

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

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

<b>Butyl acetate (123-86-4)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	n-Butyl acetate
IOEL TWA [ppm]	50 ppm
IOEL STEL	723 mg/m <sup>3</sup>
IOEL STEL [ppm]	150 ppm
Regulatory reference	COMMISSION DIRECTIVE-EU) 2019/ 1831
<b>Poland- The highest permissible concentration at the workplace</b>	
Local name	n-butyl acetate
NDS (OEL TWA)	240 mg/m <sup>3</sup>
NDSCh (OEL STEL)	720 mg/m <sup>3</sup>
Regulatory reference	Official Journal 2018 item 1286

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\*:

<b>Xylene (1330-20-7)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects after inhalation	289 mg/m <sup>3</sup>
Acute - local effects after inhalation	289 mg/m <sup>3</sup>
Long-term - systemic effects, in contact with skin	180 mg/kg body weight /day
Long - term systemic effects after inhalation	77 mg/m <sup>3</sup>
<b>DNEL/ DMEL (General population)</b>	
Acute - systemic effects after inhalation	174 mg/m <sup>3</sup>
Acute - local effects after inhalation	174 mg/m <sup>3</sup>
Long - term systemic effects after ingestion	1.6 mg/kg body weight /day
Long - term systemic effects after inhalation	14.8 mg/m <sup>3</sup>
Long-term - systemic effects, in contact with skin	108 mg/kg body weight /day
<b>PNEC (Water)</b>	
PNEC (freshwater)	0.327 mg/l
PNEC (sea water)	0.327 mg/l
PNEC aqua ( intermittent, freshwater)	0.327 mg/l
<b>PNEC (Sediments)</b>	
PNEC sediments (freshwater)	12.46 mg/kg of dry mass
PNEC sediments (sea water)	12.46 mg/kg of dry mass
<b>PNEC (Soil)</b>	
PNEC Soil	2.31 mg/kg of dry mass
<b>PNEC (STP)</b>	
PNEC Sewage Treatment Plant	6.58 mg/l
<b>Dibutyltin dilaurate (77-58-7)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects, in contact with skin	2.08 mg/kg body weight /day
Acute - systemic effects after inhalation	0.059 mg/m <sup>3</sup>
Long-term - systemic effects, in contact with skin	0.43 mg/kg body weight /day
Long - term systemic effects after inhalation	0.02 mg/m <sup>3</sup>

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

<b>DNEL/ DMEL (General population)</b>	
Acute - systemic effects, in contact with skin	0.5 mg/kg body weight /day
Acute - systemic effects after inhalation	0.04 mg/m <sup>3</sup>
Acute - systemic effects after ingestion	0.02 mg/kg body weight /day
Long - term systemic effects after ingestion	0.0031 mg/kg body weight /day
Long - term systemic effects after inhalation	0.0046 mg/m <sup>3</sup>
Long-term - systemic effects, in contact with skin	0.16 mg/kg body weight /day
<b>PNEC (Water)</b>	
PNEC (freshwater)	0.000463 mg/l
PNEC (sea water)	0.0000463 mg/l
PNEC aqua ( intermittent, freshwater)	0.00463 mg/l
PNEC aqua ( intermittent, sea water)	0.00463 mg/l
<b>PNEC (Sediments)</b>	
PNEC sediments (freshwater)	0,05 mg/kg of dry mass
PNEC sediments (sea water)	0.005 mg/kg of dry mass
<b>PNEC (Soil)</b>	
PNEC Soil	0.0407 mg/kg of dry mass
<b>PNEC (Oral)</b>	
PNEC after ingestion (secondary poisoning)	0.2 mg/kg of food
<b>PNEC (STP)</b>	
PNEC Sewage Treatment Plant	100 mg/l
<b>Butyl acetate (123-86-4)</b>	
<b>PNEC (Water)</b>	
PNEC (freshwater)	0.18 mg/l
PNEC (sea water)	0.018 mg/l
PNEC aqua ( intermittent, freshwater)	0.36 mg/l
<b>PNEC (Sediments)</b>	
PNEC sediments (freshwater)	0.981 mg/kg of dry mass
PNEC sediments (sea water)	0.0981 mg/kg of dry mass
<b>PNEC (Soil)</b>	
PNEC Soil	0.0903 mg/kg of dry mass
<b>PNEC (STP)</b>	
PNEC Sewage Treatment Plant	35.6 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\*:



Eyes protection:  
 Safety glasses \*

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

Skin and body protection\*:  
Proper protective clothes (coated impregnated fabrics).

Hands protection:  
Protective gloves PN-EN 374-3 (viton, thickness 0.7 mm, penetration time >480 min. nitrile rubber, thickness 0.4 mm, penetration time >30 min.).

Respiratory protection:  
In case of insufficient ventilation, wear suitable breathing apparatus.\*

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\***

<b>Physical state</b>	liquid
<b>Colour</b>	clear
<b>Odour</b>	strong, penetrating
<b>Odour threshold</b>	0.9-9 mg/m <sup>3</sup> (xylene)
<b>Melting point</b>	not applicable*
<b>Freezing point</b>	not available*
<b>Boiling point</b>	app. 140°C
<b>Flammability of the materials*</b>	Not applicable.
<b>Explosion limits:</b>	% bottom: 1.1 Vol %, top: 8.0 Vol% (xylene)
<b>Flash point</b>	24°C
<b>Auto ignition point</b>	app. 400°C
<b>Breakdown point</b>	not available*
<b>pH</b>	not available*
<b>Kinematic viscosity*</b>	not available*
<b>Solubility</b>	poor
<b>n-octanol/water partition coefficient (log Kow):</b>	not available*
<b>Vapour pressure</b>	9 hPa (20°C) (xylene)
<b>Vapour pressure at 50 °C</b>	not available*
<b>Density</b>	app. 0.88 g/cm <sup>3</sup> (20°C)
<b>Relative density</b>	not available*
<b>Relative density at 20°C</b>	not available*
<b>Particle characteristics*</b>	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. \*

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

**SECTION 11: TOXICOLOGICAL INFORMATION**

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

Acute toxicity (oral): Not classified (based on available data the classification criteria are not met). \*

Acute toxicity (skin): Harmful in contact with skin. \*

Acute toxicity (inhalation): Harmful if inhaled. \*

ATE CLP (skin): 1250 mg/kg bw

ATE CLP (dust, mist): 1.705 mg/l/4h

<b>Xylene (1330-20-7)</b>	
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
<b>Dibutyltin dilaurate (77-58-7)</b>	
LD50 oral, rat	2071 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute and Toxicity), Remarks on results: other: 95% CL: 1207 - 5106
LD50, skin, rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LC50 inhalation - rat	> 2000 mg/kg
<b>Butyl acetate (123-86-4)</b>	
LD50 oral, rat	12.2 ml/kg Source: ECHA
LC50 inhalation - rat (vapours)	> 4.9 mg/l Source: ECHA

**Skin corrosion/irritation:** Causes skin irritation.

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

**Serious eye damage/eye irritation:** Causes eye irritation.

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

**Allergic effect on airways or skin:** May cause an allergic skin reaction.

**Mutagenic effect on germ cells:** Suspected of causing genetic defects.

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

**Harmful effect on reproduction:** May cause harmful effect to reproduction. May be harmful to the unborn child.

**Specific target organ toxicity – single exposure:** May cause damage to organs.

<b>Dibutyltin dilaurate (77-58-7)</b>	
Specific target organ toxicity – single exposure:	Causes damage to organs.
<b>Butyl acetate (123-86-4)</b>	
Specific target organ toxicity – single exposure:	May cause drowsiness or dizziness.

**Specific target organ toxicity – repeated exposure:** May cause damage to organs through prolonged or repeated exposure.

<b>Xylene (1330-20-7)</b>	
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)
<b>Dibutyltin dilaurate (77-58-7)</b>	
Specific target organ toxicity – repeated exposure	Causes damage to organs (immune system) through prolonged or repeated exposure.
<b>Butyl acetate (123-86-4)</b>	
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)

**Aspiration hazard:** No data confirming the hazard class.

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

<b>Butyl acetate (123-86-4)</b>	
Kinematic viscosity	0.83 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'

**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)\*: Toxic to aquatic life with long-lasting effects.

NOT rapidly degradable.\*

<b>Xylene (1330-20-7)</b>	
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'

<b>Dibutyltin dilaurate (77-58-7)</b>	
LC50 - Fish [1]	21.2 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustaceans [1]	1.7 – 3.4 mg/l Test organisms (species): Daphnia magna
EC50 - Crustaceans [2]	< 463 µg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

<b>Butyl acetate (123-86-4)</b>	
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'

**12.2. Persistence and degradability**

No further data available.

**12.3. Bioaccumulative potential**

\*

<b>Dibutyltin dilaurate (77-58-7)</b>	
n-octanol/water partition coefficient (Log Pow):	4.44 Source: ECHA
<b>Butyl acetate (123-86-4)</b>	
n-octanol/water partition coefficient (Log Pow):	1.78 Source: HSDB

**12.4. Mobility in soil**

No further data available.\*

**12.5. Results of PBT and vPvB assessment**

No further data available.

**12.6. Endocrine disrupting properties\***

No further data available.

**12.7. Other hazardous effects\***

No further data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

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



**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

Contaminated container should be handed over to entities, which are authorized to collect, recover or dispose of wastes.

Product remains:

Waste code: 08 01 11 Waste paints and varnishes containing organic solvents or other dangerous substances. Do not discharge the product into the sewage system. Must not be disposed of with municipal waste. Remove carefully the remains of the product, add e.g. to some polyurethane or acrylic clear coat (waste) and harden using a hardener from the set.

CAUTION: The remains should be hardened in small portions and only in well-ventilated rooms and away from flammable products, ignition sources and flames. Hardened product is not a hazardous waste.

Contaminated packaging:

Packaging containing unhardened product remains is hazardous waste. Waste code: 15 01 10.

Packaging containing residues of or contaminated by dangerous substances (e.g. pesticides of I and II class of toxicity – very toxic and toxic). Must not be disposed of with municipal waste. A contaminated container should be returned to the producer. If it is not possible, a 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\***

1263

**14.2. UN proper shipping name**

**ADR** PAINT RELATED MATERIAL

**IMGD** PAINT RELATED MATERIAL\*

**IATA** Paint related material\*

Description of the shipping document\*:

**ADR** 1263 PAINT RELATED MATERIAL, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS

**IMGD** UN 1263 PAINT RELATED MATERIAL, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (24°C c.c.)

**IATA** UN 1263 Paint related material, 3, III, ENVIRONMENTALLY HAZARDOUS

**14.3. Transport hazard class (-es)**

3



**14.4. Packaging group**

III

**14.5. Environmental hazards**

ADR Environmentally hazardous: Yes. \*

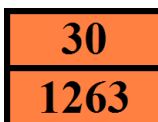
IMGD Environmentally hazardous: Yes. Marine pollutants: Yes. \*

IATA Environmentally hazardous: Yes. \*

**14.6. Special precautions for users**

**Road transport\*:**

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



Orange Tiles:

Tunnel restriction code (ADR): D/E

**Sea transport\*:**

Special provisions (IMDG):	163, 223, 367, 955
Limited quantities (IMDG):	5 L
Special packing provisions (IMDG):	PP1
EmS number (Fire):	F-E
EmS number (Spillage):	S-E
Cargo Stowage Category (IMDG):	A

**Air transport\*:**

No data.

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

**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): Contains substance(s) listed on the PIC list (EU Regulation 649/2012 on the export and import of dangerous chemicals): dibutyltin dilaurate (77-58-7)

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 – Poland:**

- 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**

**Full text of hazard statements H phrases mentioned in section 2 - 15 of the Sheet:**

Acute Tox. 4 (Skin)	Acute toxicity - (skin), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (after inhalation), category 4
Aquatic Chronic 1	Hazardous to the aquatic environment–acute hazard, category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment– chronic hazard, category 1
Eye Dam. 1	Serious eye damage/eye irritation, category 1
Flam. Liq. 3	Flammable liquid, category 3
H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H314	Causes serious skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H360FD	May cause harmful effect to reproduction. May be harmful to the unborn child.
H370	Causes damage to organs.
H371	May cause damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

Muta. 2	Mutagenic effect on germ cells, category 2
Repr. 1B	Reproduction toxicity, category 1B
Skin Corr. 1C	Skin corrosion/irritation, category 1, subcategory 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
STOT SE 1	Specific target organ toxicity - single exposure, category 1
STOT SE 3	Specific target organ toxicity - single exposure, category 3, narcotic effect

**Explanation of abbreviations and acronyms used in the MSDS:**

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
- EC number: European Community number
- EC50 Medium effective concentration
- EN European standard
- 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
- NOAEL 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 Concerning the International Transport of Dangerous Goods by Rail
- SDS Material Safety 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.

**Other data sources:**

**ECHA** European Chemicals Agency

**Directions for training:**

Use in accordance with health and safety rules and safety procedures.\*

**Classification and procedure used to determine the classification of mixtures according to the Regulation (EC) 1272/2008[CLP]**

Flam. Liq. 3	H226	Based on research results
Acute Tox. 4 (Skin)	H312	Calculation method
Acute Tox. 4 (Inhalation: dust, mist)	H332	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
Muta. 2	H341	Calculation method

**ACCELERATING AGENT FOR ACRYLIC PRODUCTS**

Repr. 1 B	H360FD	Expert assessment
STOT SE 2	H371	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 2	H411	Calculation method

**Changes in the Sheet:**

Update of sections:

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

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:

1.1, 2.1, 2.2, 2.3, 3.2, 4.1, 4.2, 4.3, 5.1, 5.2, 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, 12.3, 12.4, 12.6, 12.7, 14.1, 14.2, 14.3, 14.5, 14.6, 14.7, 15.1, 16.

General update.

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