

**ACRYL THINNER STANDARD****SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION****1.1. Product identification****ACRYL THINNER /STANDARD/****1.2. Relevant identified uses of the substance or mixture and uses advised against**

Thinner for acryl products. For professional use in car refinish.

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

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**1.4. Emergency telephone**

+48 34 329-45-03 (from 7:30 am. to 3:30 pm.)

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Classification 1999/45/EC:**

The mixture was classified as dangerous according to current regulations – see section 15.

Harmful product. Harmful by inhalation and in contact with skin. Irritating to skin. Flammable.

**2.2. Label elements:**

Contains: Xylene

Signs:



Risk symbol:

Xn Harmful

Risk Index:

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

Safety index:

S(2-) Keep out of the reach of children.

S23 Do not breathe vapour/spray.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S38 In case of insufficient ventilation wear suitable respiratory equipment.

S46 If swallowed, seek medical advice immediately and show this container or label.

**2.3. Other hazards**

No data available.

**ACRYL THINNER STANDARD****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

Not applicable.

**3.2. Mixtures****Product identification****ACRYL THINNER /STANDARD/**

Substance name	Identification numbers	Classification and marking	Concentration [%]
<b>Butyl acetate</b>	EC: 204-658-1 CAS: 123-86-4 Index no: 607-025-00-1 Registration no: --	Classification 67/548/EEC: R10, R66-67  Classification 1272/2008/EC: Flam. Liq. 3; H226; STOT SE 3; H336	30-50%
<b>Xylene</b>	EC: 215-535-7 CAS: 1330-20-7 Index no: 601-022-00-9 Registration no: --	Classification 67/548/EEC: R10, Xn; R20/21 Xi; R38  Classification 1272/2008/EC: Flam. Liq. 3; H226; Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit.2; H315	30-50%
<b>1-metoxy –2-propanol acetate</b>	EC: 203-603-9 CAS: 108-65-6 Index no: 607-195-00-7 Registration no: --	Classification 67/548/EEC: R10  Classification 1272/2008/EC: Flam. Liq. 3; H226; Signs: GHS02 Wng; H226	10-20%

Full text of the phrases identifying the types of hazard and R phrases provided in 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.

Inhalation:

Take the victim outside to the fresh air, ensure quiet surrounding, in case of no breath ensure artificial respiration. **Call a doctor.**

Skin:

Take off contaminated clothing. Rinse contaminated skin with plenty of lukewarm water for about 15 min. If irritation persists consult a doctor.

Eyes:

Rinse immediately with plenty of water for about 15 min, avoid strong water jet- risk of cornea damage, consult a doctor.

Alimentary tract:

**ACRYL THINNER STANDARD**

Do not cause vomiting (choking risk). Rinse mouth with water. If conscious, administer 1-2 glasses of warm water. Call a doctor. Person giving first aid should wear medical gloves.

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

Vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking.

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

Special measures allowing for specialist and immediate aid should be available in the place of work.

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

Powder, foam resistant to alcohols, carbon dioxide, water mist.

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

Carbon monoxide may be generated in case of fire.

**5.3. Advice for firefighters**

Fire-fighting teams should wear self-contained breathing apparatus and light protective clothing. Cool adjacent tanks by spraying water from a safe distance.

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

For persons not being members of aid giving staff:

Remove ignition sources. Ensure sufficient ventilation of the room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Personal safety measures – see section 8 of Material Safety Data Sheet.

For persons being the members of aid giving staff:

Persons giving aid should wear protective clothing made of coated impregnated fabric, protective gloves (viton), tight protective glasses and breathing apparatus: gas mask with A type absorber.

**6.2. Environmental precautions**

Prevent leakage to the sewage system, surface waters, underground waters and soil.

**6.3. Methods and materials for containment and cleaning up.**

Stop the leakage (close the liquid inflow, seal), place damaged container in an emergency container, remove the liquid mechanically and place it in an emergency container. In case of large leakage embank the area. In case of small amounts, collect with the use of a binding agent (e.g. mica, diatomaceous earth, sand).

**6.4. Reference to other sections**

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

Disposal considerations – see section 13 of the Material Safety Data Sheet.

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

Keep away from heat and sources of ignition. Prevent leakage to the sewage system, surface waters, underground waters and soil. Use only in well ventilated rooms. Do not smoke. Do not inhale vapours. Avoid contact with skin and eyes. Take precaution measures against electrostatic discharge. Use personal protection measures – see section 8 of the Material Safety Data Sheet.

**7.2. Conditions for safe storage including any incompatibilities**

Store in well sealed original containers. Do not store near large amounts of organic peroxides or other strong oxidants. Take precaution measures against electrostatic discharge. Store in cool, well-ventilated rooms. Protect from the sunrays, heat sources and low temperatures.

**7.3. Special end use(s)**

Special thinner used to eliminate the differences of shade on the border between the old paint coating and the new one. For professional use in car refinish taking into consideration the information included in subsections 7.1 and 7.2.

**ACRYL THINNER STANDARD****SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES****8.1. Control parameters**

CAS NUMBER:	SUBSTANCE	MPC (mg/m <sup>3</sup> )	MPIC (mg/m <sup>3</sup> )	MPCC (mg/m <sup>3</sup> )
1330-20-7	Xylene	100	---	---
123-86-4	Butyl acetate	200	950	---
108-65-6	1-metoxi -2-propanol acetate	260	520	---

National acceptable biological values:

CAS NUMBER:	SUBSTANCE ABSORBED	SUBSTANCE MARKED	BIOLOGICAL MATERIAL	PCB VALUES
1330-20-7	Xylene	methyl hippuric acid	urine*	0,75 g/g creatinine

*Notice:* \* single sample, taken at the end of a daily exposure any day.**8.2. Exposure control**

Respiratory tract protection:

Gas mask with A type absorber (EN 141).

Hand protection:

Protective gloves PN-EN 374-3 (viton, 0,7 mm thick, penetration time &gt; 480 min, nitril rubber, 0,4 mm thick, penetration time &gt; 30 min)

Eye protection:

Tight protective glasses.

Skin protection:

Proper protective clothing (coated, impregnated fabrics).

Workplace:

Fixed fume extraction and general ventilation.

Environmental exposure control:

Prevent leakage to the sewage system, surface waters, underground waters and soil.

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

Parameter	Value
Physical state	liquid
Colour	clear
Odour	strong, powerful
Odour treshold	0.9-9 mg/m <sup>3</sup> (ksylene)
pH	not applicable
Melting / freezing point	-25°C
Boiling point	126-140°C
Flash point	24°C
Autoignition point	270°C
Breakdown point	not specified
Evaporation rate	not specified
Flammability (solid, gas)	not applicable
Explosion limits	% bottom: 1.1 vol% top: 8.0 vol% (ksylene)
Vapour pressure	13 hPa (20°C) (butyl acetate)

**ACRYL THINNER STANDARD**

Vapour density(with regard to air)	4.0 (butyl acetate)
Density	about 0.88 g/cm <sup>3</sup> (20°C)
Solubility (in water)	poor
n-oktanol/water division ratio	1,85 (butyl acetate)
Viscosity	about 1mPas
Explosive properties	not applicable
Oxidizing properties	not applicable

**9.2. Other information**

No data available

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Product not reactive under normal conditions.

**10.2. Chemical stability**

Product stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Carbon monoxide and other toxic gases are generated in case of fire.

**10.4. Incompatible materials**

Avoid contact with large amounts of organic peroxides, strong acids and bases, as well as other strong oxidants. Take precaution measures against electrostatic discharge. Protect from the sunrays, heat sources and low 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**

Carbon monoxide and other toxic gases are generated as a result of thermal decomposition.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

No experimental data available on the preparation. Evaluation based on the data on dangerous ingredients included in the preparation.

**a) Acute toxicity**

Xylene

LD<sub>50</sub> (rat, ingestion) 5000 mg/kgLC<sub>50</sub> (rat, inhalation) 4550 ppm/4h

Butyl acetate

LD<sub>50</sub> (rat, ingestion) 14000 mg/kgLC<sub>50</sub> (rat, inhalation) 9660 mg/m<sup>3</sup> /8h

1-metoxy -2-propanol acetate

LD<sub>50</sub> (rat, ingestion) 8532mg/kg**b) Irritating effect**

Skin: irritating to skin and mucous membrane

Eyes: irritating effect

**c) Caustic effect**

Mixture is not classified as caustic. No available data confirming the hazard class.

**d) Allergic effects**

Mixture is not classified as having allergic effects. No available data confirming the hazard class.

**e) Toxicity for repeated exposure**

Repeated exposure may cause skin dryness or cracking.

**ACRYL THINNER STANDARD****f) Cancerogenity**

Mixture is not classified as carcinogenic. No available data confirming the hazard class

**g) Mutagenity**

Mixture is not classified as mutagenic. No available data confirming the hazard class.

**h) Harmful effect on reproduction**

Mixture is not classified as harmful to reproduction. No available data confirming the hazard class.

**Exposure methods:**

Respiratory tract: Harmful in case of inhalation.

Skin: Harmful by skin contact.

Eyes: Irritating to eyes.

If swallowed the substance may cause lung damage.

**Poisoning symptoms:**

Headaches and dizziness, fatigue, decreased muscle power, drowsiness and in exceptional instances loss of consciousness. Vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking.

**SECTION 12: ECOLOGICAL INFORMATION**

No experimental data available on the preparation. Evaluation based on the data on dangerous ingredients included in the preparation.

**12.1. Toxicity**

1-metoxy -2-propanol acetate

Daphnia magna /EC50 (48 hours) > 500 mg/l

Oncorhynchus mykiss /LC50 (96 hours) 100-180 mg/l

Number in catalogue of water hazardous substances: 5033

Water hazard class: 1

Xylene

Daphnia magna /EC50 (48 hours) 7,4 mg/l

Acute toxicity for mammals: 3; for fish: 4,1

Number in catalogue of water hazardous substances: 206

Water hazard class: 2

Butyl acetate

Number in catalogue of water hazardous substances: 42

Water hazard class: 1

**12.2. Persistence and degradability**

Butyl acetate

Biodegradability: 98% (closed bottle test)

**12.3. Bioaccumulative potential**

Butyl acetate

Biodegradation coefficient: BCF=3,1

**12.4. Mobility in soil**

Very poorly soluble in water.

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

No data available.

**12.6. Other hazardous effects**

No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Product must be disposed of in compliance with the proper local and statutory regulations with regard to waste – see point 15.

**ACRYL THINNER STANDARD**

Product remains:

Waste code 07 01 04\* Do not dispose the product into the sewage system. Do not store with communal waste. Remove carefully the remains of the product and leave to dry completely. (only in well-ventilated rooms).

**CAUTION:** The remains should be left to dry only in well-ventilated rooms and away from flammable products.

Contaminated container:

A contaminated container containing unhardened remains of the product is harmful waste. Waste code: 15 01 10\*. Do not store with communal waste. The contaminated container should be disposed with entities which are authorized to collection, recover o disposal.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

1263

**14.2. UN proper shipping name**

PAINT-RELATED MATERIAL

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

3

**14.4. Packaging group**

III

**14.5. Environmental hazards**

no

**14.6. Special precautions for user**

Do not transport together with products of class 1 (except products of class 1.4S), and some products of class 4.1 and 5.2. During the transport avoid direct contact with products of class 5.1 and 5.2. Do not use an open flame and do not smoke.

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

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations / legislations specific for the substance or mixture**

- Directive 67/548 /EWG (2006/121/WE)
- Directive 91/155/EWG (2001/58/WE)
- Directive 1999/45/EC (2006/8/WE)
- REACH – Regulation 2006/1907/WE
- CLP – Regulation 1272/2008/WE

**15.2. Chemical safety assessment**

Not performed.

**SECTION 16: OTHER INFORMATION****16.1. Full text of the phrases identifying the types of hazards and R phrases mentioned in sections 2-15:**

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Flam.Liq.3

H226 Flammable liquid and vapour.

STOT SE 3 Toxic effect on target organs – single exposure cat. 3

H336 May cause drowsiness or dizziness.

Acute Tox. 4



**ACRYL THINNER STANDARD**

H332 Harmful if inhaled.

H312 Harmful in contact with skin.

Skin Irrit. 2

H315 Causes skin irritation (category 2)

EUH066 Repeated exposure may cause skin dryness or cracking.

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

**Nr CAS** – numerical symbol ascribed to a chemical substance by the American organization Chemical Abstracts Service (CAS).

**Nr EC** – a number ascribed to a chemical substance in the European List of Notified Chemical Substances (ELINCS), or a number in the European Inventory of Existing Chemical Substances mentioned in "No-longer polymers" publication (EINECS)

**MPC** – maximum permissible concentration of health hazardous substances in the work place.

**MPIC** – maximum permissible instantaneous concentration.

**MPCC** – maximum permissible ceiling concentration.

**PCB** – permissible concentration in biological material

**UN number** – four-digit identification number of a substance, preparation or product pursuant to UN model regulations

Information based on our current knowledge. This document shall not constitute warranty for product characteristics.

Classification of the mixture is based on classification rules contained in directive 1999/45/EC.

Changes: general update