

**ACRYL FILLER 4+1****SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION****1.1. Product identification****ACRYL FILLER 4+1****1.2. Relevant identified uses of the substance or mixture and uses advised against**

Acryl filler (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.**

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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**

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

Classification 1272/2008/EC:

Harmful in contact with skin and if inhaled. (Acute Tox. 4)
Irritating to skin. (Skin Irrit.2)
Flammable liquid and vapour. (Flam. Liq. 3)

Classification 1999/45/EC:

Harmful product. Harmful by inhalation and in contact with skin. Repeated exposure may cause skin dryness or cracking. Flammable.

2.2. Label elements:

Contains: xylene

Signs:



Marking: **Caution**

Risk index:

H226 Flammable liquid and vapour.
H312+H332 Harmful in contact with skin and if inhaled.
H315 Causes skin irritation.

Safety index:

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.

**ACRYL FILLER 4+1**

P261 Avoid breathing dust/fume/gas/mist/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

No data available.

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

Not applicable.

3.2. Mixtures**Product identification**

ACRYL FILLER 4+1

Substance name	Identification numbers	Classification and marking	Concentration [%]
Butyl acetate	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	5-15%
Xylene	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	5-15 %
1-metoxy –2-propanol acetate	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;	1-5%
Ethyl benzene	EC: 202-849-4 CAS: 100-41-4 Index no: 601-023-00-4 Registration no: --	Classification 67/548/EEC: F; R11 Xn; R20 Classification 1272/2008/EC: Flam. Liq. 2; H225 Acute Tox. 4; H332	1-5%

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:

**ACRYL FILLER 4+1**

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:

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 and other toxic gases 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****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



ACRYL FILLER 4+1

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)

Acryl filler (component A) to be applied with a spray gun. For professional use in car body refinish taking into consideration the information included in subsections 7.1 and 7.2.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. Control parameters

Xylene CAS 1330-20-7 according to:

- TRGS 900: MAK:10ppm, MAK:440mg/m³, 2(II), DFG, H
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 50mg/m³ 220mg/m³, STEL 100ppm, 441 mg/m³, Sk, BMGV

Butyl acetate CAS 123-86-4 according to:

- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 150 ppm, 724 mg/m³, STEL 200ppm, 966 mg/m³

Ethylbenzene CAS 100-41-4 according to:

- TRGS 900: MAK: 100 ppm, MAK: 440 mg/m³, 2(I), EU, H
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 100ppm 441 mg/m³, STEL 125ppm, 552 mg/m³, Sk

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 > 480 min, nitril rubber, 0,4 mm thick, penetration time > 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	viscosus liquid
Colour	according to specification

**ACRYL FILLER 4+1**

Odour	strong, powerful
Odour treshold	0.9-9 mg/m ³ (xylene)
pH	not applicable
Melting / freezing point	not applicable
Boiling point	126-145°C
Flash point	24°C
Autoignition point	about 270-300°C
Breakdown point	not specified
Evaporation rate	not specified
Flammability (solid, gas)	not applicable
Explosion limits	% bottom: 1.1 vol% top: 8.0 vol% (xylene)
Vapour pressure	13 hPa (20°C) (butyl acetate)
Vapour density(with regard to air)	4.0 (butyl acetate)
Density	about 1.6 g/cm ³ (20°C)
Solubility (in water)	poor
n-oktanol/water division ratio	1,85 (butyl acetate)
Viscosity	7500 – 15000 mPas
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 stabile under normal conditions.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to be avoided

Flammable product. Avoid contact with strong oxidants, peroxides, strong acids and bases. Avoid generation and accumulation of static electricity. Protect from the influence of sunrays and heat sources.

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 ₅₀ (rat, ingestion)	4300 mg/kg
LC ₅₀ (rat, inhalation)	5000 ppm/4h
LD ₅₀ (rabbit, skin)	1700 mg/kg

Butyl acetate

LD ₅₀ (rat, ingestion)	10768 mg/kg
LC ₅₀ (rat, inhalation)	390 ppm/4h
LD ₅₀ (rabbit, skin)	17600 mg/kg

**ACRYL FILLER 4+1**

1-metoxy -2-propanol acetate
 LD₅₀ (rat, ingestion) 8532mg/kg
 LD₅₀ (rabbit, skin) 5000 mg/kg

Ethyl benzene
 LD₅₀ (rat, ingestion) 3500mg/kg
 LC₅₀ (rat, inhalation) 4000ppm/4h

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 allergenic. No available data confirming the hazard class.

e) Toxicity for repeated exposure

Repeated exposure may cause skin dryness or cracking.

f) Cancerogenity

Mixture is not classified as cancerogenic. 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 to skin.

Eyes: Irritating to eyes.

If swallowed the substance may cause irritation of the alimentary tract, nausea, vomiting and diarrhea.

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

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

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

Ethyl benzene

**ACRYL FILLER 4+1**

Daphnia magna /EC50 (24 hours) 73 mg/l
Number in catalogue of water hazardous substances: 99
Water hazard class: 1

12.2. Persistence and degradability

Butyl acetate
Biodegradability: 98% (close 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.

Product remains:

Waste code: 08 01 11* Do not dispose the product into the sewage system. Do not store with communal 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 harmful waste.

CAUTION: harden the remains in small portions away from flammable products. High amounts of heat are released during chemical reaction.

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

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 i 5.2. During the transport avoid direct contact with products of class 5.1 i 5.2. Do not use an open flame and do not smoke.

**ACRYL FILLER 4+1****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.

R11 Highly flammable.

R20 Harmful by inhalation.

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.2/ Flam. Liq.3

H225 Highly flammable liquid and vapour

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

H332 Harmful if inhaled.

H312 Harmful in contact with skin.

Eye Dam. 1

H318 Causes serious eye damage.

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

MATERIAL SAFETY DATA SHEET

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