

**ACRYLIC PRIMER 5:1 FAST PROFESSIONAL**

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

**1.1. Product identification**

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**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.**

ul. Łódzka 3

42-240 Rudniki k. Częstochowy

Phone: +48 34 329 45 03

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Registration number: 000029202

Person responsible for the safety data sheet:

ranal@ranal.pl

**1.4. Emergency telephone**

+48 34 329 45 03 (8.00am till 03.00pm)

**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:**

Causes skin irritation. (Skin Irrit.2)

Flammable liquid and vapour. (Flam. Liq. 3)

**2.2. Label elements**

Contains:

Xylene.

Pictograms:



Warning word: **Warning.**

Risk index:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

Safety index:

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

P261 Avoid breathing 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 doctor if you feel unwell.

**2.3. Other hazards**

No data.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances**

Not applicable.

**3.2. Mixtures**

**Product identification**

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Substance name  
Concentration [% weight]  
Identification numbers  
Classification and labelling

**Xylene**

5-15%

EC: 215-535-7

CAS: 1330-20-7

Index No: 601-022-00-9

Registration No: 01-2119488216-32-XXXX

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

**Butyl acetate**

5-15%

EC: 204-658-1

CAS: 123-86-4

Index No: 607-025-00-1

Registration No: 01-2119485493-29-XXXX

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

**1-methoxy –2-propyl acetate**

1-5%

EC: 203-603-9

CAS: 108-65-6

Index No: 607-195-00-7

Registration No: 01-2119475791-29-XXXX

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

**N-methyl – 2- pyrrolidone**

&lt;0.12%

EC: 265-199-0

CAS: 872-50-4

Index No: 606-021-00-7

Registration No: 01-2119472430-46-XXXX

Classification 1272/2008/EC: Repr. 1B, H360D; Eye Irrit. 2, H319; STOT SE 3, H335; Skin Irrit 2, H315.

Full text of the phrases identifying the types of hazard 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, and 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.

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**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**

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)**

Acrylic primer (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**

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-methoxy-2-propyl acetate	260	520	---
872-50-4	n-methyl-2-pyrrolidone	120	240	---

National acceptable biological values:

CAS NUMBER	1330-20-7
SUBSTANCE ABSORBED	Xylene

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SUBSTANCE MARKED methyl hippuric acid  
 BIOLOGICAL MATERIAL urine\*  
 PCB VALUES 0.75 g/g creatinine  
*Notice:* \* single sample, taken at the end of a daily exposure any day

- PN-EN 482:2012 Occupational exposure – General requirements for the characteristics of procedures of measurements of chemical factors.
- PN-EN-689:2002 Workplace atmospheres. Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values.
- PN Z-04008-7:2002 Protection of air cleanliness. Sampling. Principles of air sampling in the work environment and interpretation of results.

**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**

Physical state	liquid
Colour	according to specification
Odour	strong, powerful
Odour threshold	0.9-9 mg/m <sup>3</sup> (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 <sup>3</sup> (20°C)
Solubility (in water)	poor
n-octanol/water division ratio	1.85 (butyl acetate)
Viscosity (rotational rheometer)	5000-10000 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.

**ACRYLIC PRIMER 5:1 FAST PROFESSIONAL****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	
LD50 (rat, ingestion)	4300 mg/kg
LC50 (rat, inhalation)	5000 ppm/4h
LD50 (rabbit, skin)	1700 mg/kg

Butyl acetate	
LD50 (rat, ingestion)	10768 mg/kg
LC50 (rat, inhalation)	390 ppm/4h
LD50 (rabbit, skin)	17600 mg/kg

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

**b) Caustic/irritating effect on skin**

Causes skin irritation.

**c) Serious eye damage/eye irritation**

No available data confirming the hazard class.

**d) Allergic effects on skin or respiratory tract**

The mixture is not classified as allergenic. No available data confirming the hazard class.

**e) Mutagenic effect on germ cells**

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

**f) Carcinogenicity**

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

**g) Harmful effect on reproduction**

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

**h) Toxic effect on target organs – single exposure**

No available data confirming the hazard class.

**i) Toxic effect on target organs – repeated exposure**

No available data confirming the hazard class.

**j) Aspiration hazard**

No available data confirming the hazard class.

Exposure methods:

Respiratory tract: Possible irritating effect.

Skin: Causes skin irritation.

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Eyes: Possible irritating effect.

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

1-metoxy -2-propanol acetate

*Daphnia magna* / EC50 (48 h)

>500 mg/l

*Oncorhynchus mykiss* / LC50 (96 h)

100-180 mg/l

Number in catalogue of water hazardous substances

5033

Water hazard class

1

Xylene

*Daphnia magna* /EC50 (48 h)

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% (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 assessment

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 section 15 MSDS.

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.

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**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 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**

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Official Journal of EU L 136 of May 29 2007. Official Journal of EU L 304 of November 22 2007, Official Journal of EU L268 of October 09 2008, Official Journal of EU L 46 of February 17 2009, Official Journal of EU L164 of June 26 2009, Official Journal of EU L133/1 of May 31 2010 with later amendments.
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Official Journal of EU L 132 of May 29 2015.
- 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 (Official Journal of EU L 353 of December 31 2008); Official Journal of EU L 235 of September 5 2009, Official Journal of EU L 83 of March 30 2011, Official Journal of EU L 179 of July 11 2012, Official Journal of EU L 149 of June 1 2013, Official Journal of EU L 261 of October 3 2013, Official Journal of EU L 167 of June 2014, Official Journal of EU L 197 of July 25 2015.

**15.2. Chemical safety assessment**

Not performed.

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

Flam. Liq. 3	Flammable liquids, cat. 3.
H226	Flammable liquid and vapours.
STOT SE 3	Toxic effect on target organs – single exposure, cat. 3.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
Repr. 1B	Harmful effect on reproduction.
H360D	Suspected of damaging the unborn child.
Acute Tox. 4	Acute toxicity, cat. 4.
H332	Harmful if inhaled.
H312	Harmful In contact with skin.
Skin Irrit. 2	Caustic /irritating effect on skin, cat. 2.
H315	Causes skin irritation, cat. 2.
Eye Irrit. 2	Serious eye damage/ eye irritation, cat. 2.
H319	Causes eye irritation.
EUH066	Repeated exposure May cause skin dryness or cracking.

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

<b>CAS No.</b>	numerical symbol ascribed to a chemical substance by the American organization Chemical Abstracts Service (CAS).
<b>sEC No.</b>	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 (EINECS), or number in the list the chemical substances mentioned in the publication "No-longer polymers".
<b>MPC</b>	maximum permissible concentration of health hazardous substances in the work place.
<b>MPIC</b>	maximum permissible instantaneous concentration.
<b>MPCC</b>	maximum permissible ceiling concentration.
<b>PCB</b>	permissible concentration in biological material
<b>UN number</b>	four-digit identification number of a substance, preparation or product pursuant to UN model regulations.

Classification based on calculation method according to classification rules included in Regulation 1272/2008/EC.

Other data sources:

ECHA European Chemicals Agency

TOXNET Toxicology Data Network

Changes: 1.3 and general update.

Number of the sheet: 0P1L0318V3.