

**ACRYLIC PPRIMER S-5000 4:1**

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

**1.1. Product identification**

**ACRYLIC PPRIMER S-5000 4:1**

**UFI:**

**JSN0-E0YX-6003-WTS4PRIMER S-5000**  
**EYN0-F0CQ-T003-7GX8PRIMER S-5000**  
**S1P0-Y024-300K-VUHAPRIMER S-5000**

**GREY**  
**BLACK**  
**WHITE**

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

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

Tel.: +48 34 329 45 03  
Fax: +48 34 320 12 16  
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:**

Causes skin irritation (Skin Irrit. 2).

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

**2.2. Label elements**

Contains:

Xylene.

Pictograms:



Signal 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 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**

No data.

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

**3.1. Substances**

Not applicable.

**3.2. Mixtures**

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

**Xylene**

5-20%

EC: 215-535-7

CAS: 1330-20-7

Index no: 601-022-00-9

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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**

5-18%  
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; EUH066.

**1-Methoxy-2-propyl acetate**

0-5%  
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**

<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 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:  
Move the injured to fresh air, keep calm, if there is no breath apply artificial respiration. **Call a doctor.**

Skin:  
Take off contaminated clothing. Wash contaminated skin with plenty of warm water for about 15 minutes. If irritation persists, consult a doctor.

Eyes:  
Immediately wash with plenty of water for about 15 minutes, avoid strong stream of water - danger of cornea damage. Consult a doctor.

Alimentary tract:  
Do not induce vomiting (risk of choking). Rinse mouth with water. If conscious, give 1-2 glasses of warm water. Call a doctor.  
First aiders 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 should be available in the workplace for specialist and immediate assistance.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Extinguishing powder, foam resistant to alcohol, carbon dioxide, water mist.

**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**

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

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency measures**

For personnel non taking part in emergency procedures:

Eliminate ignition sources. Provide sufficient ventilation of the room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Personal protection measures – see section 8 of the Sheet.

For personnel taking part in emergency procedures:

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 from penetrating into sewage system, surface water, ground water 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 Sheet. Disposal considerations – see section 13 of the Sheet.

**SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES**

**7.1. Precautions for safe handling**

Keep away from heat and ignition sources. Prevent from penetrating into sewage system, surface water, ground water and soil. Use only in well ventilated rooms. Do not smoke. Do not inhale vapour. Avoid contact with skin and eyes. Take precautionary measures against electrostatic discharges. Use personal protection measures – see section 8 of the Sheet.

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

Store in tightly closed, original containers. Do not store near large amounts of organic peroxides or other strong oxidants. Take precautionary measures against electrostatic discharges. Store in cool and well ventilated rooms. Protect from low temperatures, sunlight and heat sources.

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

For professional use in car refinish taking into consideration the information included in subsections 7.1 and 7.2 of the Sheet.

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES**

**8.1. Control parameters**

The personal protective equipment used should meet the requirements of applicable law.

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

**ABSORBED SUBSTANCE**

xylene

**MARKED SUBSTANCE**

methyl hippuric acid

**BIOLOGICAL MATERIAL**

urine\*

**DSB VALUES**

0.75 g/g creatinine

Notes: \*The sample is collected once, at the end of the daily exposure on any given day.

- PN-EN 482: 2012 Exposure at workplaces - general requirements for the characteristics of chemical agents measurement procedures.
- PN-EN-689: 2002 Air at workplaces - guidelines for the assessment of inhalation exposure to chemical agents by comparing them with the limit values and the measurement strategy.
- PN Z-04008-7:2002 Air purity protection. Sampling. Principles of air sampling in the work environment and interpretation of results.

**8.2. Exposure control**

Respiratory protection:

Gas mask with A type absorber (EN 141).

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).

Eyes protection:

Tight protective glasses.

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Skin protection:  
Proper protective clothes (coated impregnated fabrics).

Workplace:  
Local extractors and general ventilation.

The personal protective equipment used should meet the requirements of applicable law.

Environmental control  
Prevent from penetrating into sewage system, surface water, ground water and soil.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	liquid
<b>Colour</b>	according to specification
<b>Odour</b>	strong, penetrating
<b>Odour threshold</b>	0,9-9,0 mg/m <sup>3</sup> (xylene)
<b>pH</b>	not applicable.
<b>Melting/freezing point</b>	not applicable
<b>Boiling point</b>	126-145°C
<b>Flash point</b>	24°C
<b>Auto ignition point</b>	app.270-300°C
<b>Breakdown point</b>	not specified
<b>Evaporation rate</b>	not specified
<b>Flammability (solid, gas)</b>	not applicable
<b>Explosion limits:</b>	% bottom: 1,1 Vol %, top: 8,0 Vol% (xylene)
<b>Vapour pressure</b>	13 hPa (20°C) (butyl acetate)
<b>Vapour density (with regard to air)</b>	4.0 (butyl acetate)
<b>Density</b>	app. 1.7 g/cm <sup>3</sup> (20°C)
<b>Solubility (in water)</b>	poor
<b>n- octanol/water partition coefficient</b>	1.85 (butyl acetate)
<b>Viscosity (rotational rheometer)</b>	not specified
<b>Explosive properties</b>	not applicable
<b>Oxidizing properties</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 stabile under normal conditions.

**10.3. Possibility of hazardous reactions**

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

**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 sunlight 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**

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

**SEKCJA 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

No experimental data available on the preparation. The assessment was based on the data concerning the hazardous components included in the product.

**a) Acute toxicity**

Xylene  
LD<sub>50</sub> (rat, oral) 4300 mg/kg

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LC<sub>50</sub> (rat, inhalation) 5000 ppm/4h

Butyl acetate  
LD<sub>50</sub> (rat, oral) 10768 mg/kg  
LC<sub>50</sub> (rat, inhalation) 390 ppm/4h

1-Methoxy-2-propyl acetate  
LD<sub>50</sub> (rat, oral) 8532 mg/kg

**b) Skin corrosion/irritation**

Causes skin irritation.

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

No data confirming the hazard class.

**d) Allergic effect on airways or skin**

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

**e) Mutagenic effect on germ cells**

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

**f) Carcinogenicity**

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

**g) Harmful effect on reproduction**

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

**h) Specific target organ toxicity – single exposure**

No data confirming the hazard class.

**i) Specific target organ toxicity – repeated exposure**

No data confirming the hazard class.

**j) Aspiration hazard**

No data confirming the hazard class.

**Exposure methods:**

Airways: Possible irritating effect.

Skin: Causes skin irritation.

Eyes: Possible irritating effect.

Alimentary tract: If swallowed the substance may cause irritation of alimentary tract, nausea, vomiting and diarrhoea.

**Poisoning symptoms:**

Headaches and dizziness, fatigue, decreased muscle power, 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. The assessment was based on the data concerning the hazardous components included in the product.

**12.1. Toxicity**

1-Methoxy-2-propyl acetate  
*Daphnia magna* / EC50 (48 h) >500 mg/l  
*Oncorhynchus mykiss* (rainbow trout) / 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% (closed cylinder test)

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**12.3. Bioaccumulative potential**

Butyl acetate  
Bioconcentration factor: BCF 3,1

**12.4. Mobility in soil**

The product is very poorly soluble in water.

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

No data.

**12.6. 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 dispose 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**

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 users**

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**

- Government Statement of March 23, 2007 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, drawn up in Geneva on September 30, 1957., Journal of Laws of 2019, item 667, Annex: European Agreement on the International Carriage of Dangerous Goods by Road, ADR 2015-2017 (section 14), IMDG Code 2014 Edition.
- 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 the EU L 136 of May 29 2007, Official Journal EU L 304 of November 22 2007, Official Journal EU L 268 of October 09 2008, Official Journal EU L 46 of February 17 2009, Official Journal EU L 164 of June 26 2009, Official Journal EU L 133/1 of May 31 2010 with corrections and as amended.
- 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, Authorization and Restriction of Chemicals (REACH), Official Journal 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 EU L 353 of December 31 2008); Official Journal EU L 235 of September 5 2009, Official Journal EU L 83 of

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March 30 2011, Official Journal EU L 179 of July 11 2012, Official Journal EU L 149 of June 01 2013, Official Journal EU L 261 of October 3 2013, Official Journal EU L 167 of June 6 2014, Official Journal EU L 197 of July 25 2015.

**15.2. Chemical safety assessment**

Not performed.

**SECTION 16: OTHER INFORMATION**

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

Flam. Liq. 3	Flammable liquids, cat. 3.
H226	Flammable liquid and vapour.
STOT SE 3	Specific target organ toxicity – single exposure, cat. 3.
H336	May cause drowsiness or dizziness.
Acute Tox. 4	Acute toxicity, cat. 4.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
Skin Irrit. 2	Skin corrosion/irritation, cat. 2.
H315	Causes skin irritation, cat. 2.
Repr. 1B	Reproduction toxicity.
H360D	May be harmful to the unborn child
Skin Irrit. 2	Skin corrosion/irritation, cat. 2.
H315	Causes skin irritation, cat. 2.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Explanation of abbreviations and acronyms:**

**CAS no** - numerical symbol ascribed to a chemical substance by the American organization Chemical Abstracts Service (CAS).

**EC no** - a number ascribed to a chemical substance in the European List of Existing Chemical Substances (EINECS), or a number in the European Inventory of Notified Chemical Substances, mentioned in "No-longer polymers" publication (EINECS) or a number on the list of chemicals listed in 'No-longer polymers'.

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

**MPIC** Maximum Permissible Instantaneous Concentration.

**NDSP** Maximum Permissible Ceiling Concentration.

**PBC** Permissible concentration in biological material

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

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

**TOXNET** Toxicology Data Network

**Changes in the Sheet:** no changes

**Sheet number:** 02-0P3L-0822-V1