

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

**1.1. Product identification**

**ACRYLIC PRIMER 3:1 HS PROFESSIONAL**

**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.**

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42-240 Rudniki k. Częstochowy, PL

Phone: +48 34 329 45 03

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Register number: 000029202

**Person responsible for the safety data sheet**

[ranal@ranal.pl](mailto:ranal@ranal.pl)

**1.4. Emergency telephone**

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

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the mixture**

Mixture was classified as dangerous according to current regulations – see section 15 of the Material Safety Data Sheet.

**Classification 1272/2008/EC:**

Causes skin irritation. (Skin Irrit.2)

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

**2.2. Label elements**

Contains xylene

Pictograms:



**Warning word: WARNING.**

Risk index:

H226 Flammable liquid and vapours.

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 inhale 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 available.

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

**3.1. Substances**

Not applicable.

**3.2. Mixtures**

**Product identification**

ACRYLIC PRIMER 3:1 HS PROFESSIONAL

**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;  
EUH066.

**1-methoxy-2-propyl acetate**

5-10%  
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.

**Ethylbenzene**

0-5%  
EC: 202-849-4  
CAS: 100-41-4  
Index No: 601-023-00-4  
Registration No: 01-2119489370-35-XXXX

Classification 1272/2008/EC:  
Flam. Liq. 2, H225;  
Acute Tox. 4, H332;  
STOT RE 2, H373;  
Acute Tox. 1, H304.

**Solvent naphtha (petroleum), light containing aromatic hydrocarbons**

0-0,6%  
EC: 265-199-0  
CAS: 64742-95-6  
Index No: 649-356-00-4  
Registration No: 01-2119486773-24-XXXX

Classification 1272/2008/EC:  
Flam. Liq. 3, H226;  
Asp. Tox. 1, H304;  
STOT SE 3, H335;  
STOT SE 3, H336;  
Aquatic Chronic 2, H411.

**N-methyl-2-pyrrolidone**

0-0,12%

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 recommendations:

See section 11 of Material Safety Data Sheet.

Respiratory tract:

Remove the victim into fresh air, ensure quiet surrounding, in case of no breath apply artificial respiration. **Call a doctor.**

Skin:

Remove contaminated clothes. Wash contaminated skin with plenty of water for about 15 min. If irritation persists consult a doctor.

Eyes:

Immediately rinse contaminated eyes with eyelids wide open for about 15 minutes. Avoid strong water jet – risk of cornea damage. Consult an ophthalmologist.

Alimentary tract:

Do not cause vomiting (choking risk). Rinse mouth with water. If the victim is conscious administer 1-2 glasses of warm water. Call a doctor.

Persons giving medical help should use 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 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**

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 heat sourced, the sunrays and low temperatures.

### 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.

## 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

**SUBSTANCE MARKED** methylhippuric acid

**BIOLOGICAL MATERIAL** urine\*

**PCB VALUES** 0,75 g/g creatinine

Notes: \* single sample at the end of daily exposure any day.

PN-EN 482: 2012	Exposure in workplaces – General Requirements Concerning Characteristics of the Procedures for Measurement 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 and Measurement Strategy.
PN Z-04008-7:2002	Air Cleanness Protection - Sampling - Principles of Sampling Air in the Working Environment and Interpreting the 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, nitrile rubber, 0,4 mm thick, penetration time > 30 min).

Eye protection:

Tight protective glasses.

Skin protection:

Suitable protective clothes (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

<b>Physical state</b>	liquid
<b>Colour</b>	according to specification
<b>Odour</b>	strong, powerful
<b>Odour threshold</b>	0,9-9 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>Autoignition point</b>	about 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 % (xylen)
<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>	no data
<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

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

Highly 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 <sub>50</sub> (rat, ingestion)	4300 mg/kg
LC <sub>50</sub> (rat, inhalation)	5000 ppm/4h
Butyl acetate	
LD <sub>50</sub> (rat, ingestion)	10768 mg/kg
LC <sub>50</sub> (rat, inhalation)	390 ppm/4h

1-methoxy-2-propyl acetate

LD<sub>50</sub> (rat, ingestion)

8532mg/kg

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

Irritating to skin.

**c) Serious eye damage/ irritating effect on eyes**

No available data confirming the hazard class.

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

The mixture is not classified as having an allergic effect. No available data confirming the hazard class.

**e) Mutagenic effect on reproduction**

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.

Eyes: Possible irritating effect.

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

Poisoning symptoms:

Headaches and dizziness, fatigue, decreased muscle power, drowsiness and in exceptional instances loss of consciousness.

Vapours may cause drowsiness or 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-methoxy-2-propyl acetate

*Daphnia magna* EC50 (48 h)

&gt;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**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**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 point 15 of the sheet.

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 (waste hardener) included in the set. Hardened product is not harmful waste.

**Warning:** harden the remains in small portions and away from flammable products. Large 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 or 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 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 December 18 2006 concerning Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing 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 2007r. with later amendments Official Journal of the EU L 304 of November 22 2007, Official Journal of the EU L268 of October 09 2008, Official Journal of the EU L 46 of February 17 2009, Official Journal of the EU L164 of June 26 2009, Official Journal of the 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 the EU L 132 of May 29 2015.
- Regulation of the European Parliament and of the Council (EC) No 1272/2008 of December 16 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 the EU L 353 of December 31 2008); Official Journal of the EU L 235 of September 5 2009, Official Journal of the EU L 83 of March 30 2011, Official Journal of the EU L 179 of July 11 2012, Official Journal of the EU L 149 of June 1 2013, Official Journal of the EU L 261 of October 3 2013, Official Journal of the EU L 167 of June 6 2014, Official Journal of the 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 and R phrases 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  
Acute Tox. 4 Acute toxicity, category 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 (category 2)  
Repr. 1B Harmful effect on reproduction.  
H360D May damage the unborn child.  
Skin Irrit. 2 Caustic/irritating effect on skin, cat. 2  
H315 Causes skin irritation (category 2)  
Asp. Tox. 1 Aspiration toxicity hazard  
H304 May be fatal if swallowed and enters airways.  
EUH066 Repeated exposure may cause skin dryness or cracking.

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

**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 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

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 in the sheet:** general update.

**Sheet number:** 0P1L0117V2.