

## MATERIAL SAFETY DATA SHEET

Date of issue: 19.11.2004

Updating date: 07.01.2015

Number: OP3L0318V1

**RANAL®****ONE COMPONENT ACRYLIC PRIMER 1K****SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION****1.1 Product identification****ONE COMPONENT ACRYLLIC PRIMER 1K****1.2 Relevant identified uses of the substance or mixture and uses advised against**

For professional car body repairs.

Designed to cover surfaces of metal, aluminum, glass, wood, stone and plastics.

Do not use on surfaces other than advised.

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

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**Person responsible for the safety data sheet:**[ranal@ranal.pl](mailto:ranal@ranal.pl)**1.4 Emergency telephone**

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

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:**

Product was classified as hazardous.

Flam. Liq. 3 – Flammable liquids, hazard category 3

H226 – Flammable liquid and vapours

Acute Tox. 4 – Acute toxicity, hazard category 4

H332 – Harmful if inhaled.

H312 – Harmful in contact with skin.

Skin Irrit. 2 – Irritating to skin, hazard category 2

H315 – Causes skin irritation.

**2.2. Label elements**

Contains: xylene

**Labelling according to Regulation EC 1272/2008****Warning word****WARNING****Pictograms**

GHS02



GHS07

**Hazard statements****H226** – Flammable liquid and vapours.**H312** – Harmful in contact with skin.**H315** – Causes skin irritation.**H332** – Harmful if inhaled.**Precautionary statements**

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

**P260**

Do not breathe mist/vapours/spray.

**P270**

Do not eat, drink or smoke when using this product.

**P280**

Wear protective gloves/protective clothing/eye protection/face protection.

**Response****P301+P310**

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

**P303+P361+P353**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**P331**

Do NOT induce vomiting.

**Disposal****P501**

Dispose of contents/container to: dangerous waste landfill.

**2.3 Other hazards**

Contains no components meeting PBT or vPvB criteria.

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

Not applicable.

**3.2 Mixtures**

Chemical character: mixture of organic compounds auxiliary substances.

Substance name	Identification	Classification 67/548/EEC	Classification 1272/2008	% weight	
xylene; dimethylbenzene mixture of isomers	– Index 601-022-00-9 CAS 1330-20-7 EC 215-535-7 Registration no 01- 2119486136-34	R10 Xn; R20/21 Xi; R38	Flam. Liq. 3 Acute Tox. 4 Acute Tox. 4 Skin Irrit. 2	H226 H332 H312 H315	20-35%

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**

Exposure methods: respiratory system, alimentary tract, contact with skin, contact with eyes.

Inhalation:

- Remove the victim into fresh air, ensure quiet surrounding and comfortable position. If necessary, ensure medical help.

Ingestion:

- Rinse mouth with water, call a doctor. Do not induce vomiting. Do not administer anything to an unconscious person. If necessary, transport to a hospital. Ensure quiet surrounding and comfortable position.

Contact with eyes:

- Remove contact lenses. Rinse contaminated eyes with plenty of lukewarm water for 15 minutes, with eyelids wide open. From time to time put upper eyelid on lower eyelid. Cover the eyes with a compress. If necessary, ensure medical help.

Contact with skin:

- Take off contaminated clothing and shoes. Clean contaminated skin, rinse with plenty of water and wash with water and delicate soap. If irritation persists, consult a dermatologist.

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

No data available.

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

Measures allowing immediate pre medical help should be available in the place of work. Persons giving first aid should wear medical gloves.

**SECTION 5: FIREFIGHTING MEASURES**

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**ONE COMPONENT ACRYLIC PRIMER 1K****5.1 Extinguishing media**

Suitable extinguishing media:

Carbon dioxide CO<sub>2</sub>, extinguishing powders, water mist.

Unsuitable extinguishing media:

Do not use direct and strong water jet on the surface of burning substance, as it causes dispersion of burning product and spread of fire.

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

Flammable liquid.

Combustion products:

During combustion toxic gases and fumes are generated: carbon dioxide and carbon monoxide.

Explosive mixtures:

In case of exposure to high temperature containers may get violently unsealed and generate harmful and flammable gases.

**5.3. Advice for firefighters**

Apply standard methods of extinguishing chemical fires.

Containers exposed to high temperature should be cooled with sprayed water, and if possible, removed from the endangered area.

Neutralize vapours with sprayed water.

Protective equipment for firefighters:

Full set of protective equipment.

Apparatuses isolating respiratory system.

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

Persons giving aid should wear protective clothes of natural fabric, protective gloves, tight protective glasses and, if necessary, protection of respiratory system. In case of substance release, inform the users and remove third parties from the endangered territory.

**6.2. Environmental precautions**

Prevent environmental contamination.

Protect sewage drains.

In case of serious contamination of watercourse, sewage system or soil, inform suitable administration and control authorities, as well as rescue organizations.

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

Remove all ignition sources. Do not smoke.

Protect damaged containers.

Ventilate endangered area and avoid breathing vapours.

Embank the area of the released substance.

Collect released liquid mechanically and with the use of binding agents (earth, dry sand, diatomaceous earth, vermiculite). Put collected liquid in an emergency container and direct for disposal.

**6.4. Reference to other sections**

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

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

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

Prevent break out and spread of fire.

Avoid direct contact with the mixture.

Avoid breathing vapours and aerosols.

Prevent leakage.

Prevent leakage into sewage system.

Apply general rules of industrial hygiene.

Do not eat, drink and smoke when handling the product.

Change contaminated clothes.

Wash carefully with water after using the product.

Wash contaminated clothes before using them again.

Wash hands and face before work breaks.

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

Ventilate storage rooms, (possible formation of explosive mixtures with air).

Keep the container tightly sealed.

Store in a cool place.

Protect from sunlight and heat sources.

Take precautions against electrostatic discharges.

Use only tools not causing sparks.

Product cannot be used in vicinity of open flames.

Wiring systems should respect anti-explosion requirements.

Use only containers made of the same materials as original containers.

Operate carefully with open containers preventing spilling of the product.

Get acquainted with material safety data sheet.

Do not use if not acquainted with all necessary safety measures.

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

No data available.

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES****8.1. Control parameters****National values of maximum permissible concentrations in work environment,**

SUBSTANCE	IDENTIFICATION	MPC (mg/m <sup>3</sup> )	MPIC (mg/m <sup>3</sup> )	MPCC (mg/m <sup>3</sup> )
xylene; dimethylbenzene mixture of isomers	- Index 601-022-00-9 CAS 1330-20-7 EC 215-535-7	100	---	---

CAS NUMBER	SUBSTANCE ABSORBEED	SUBSTANCE MARKED	BIOLOGICAL MATERIAL	PCB VALUES
1330-20-7	xylene	Methyl hippuric acid	urine*	0,75 g/g creatinine

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

**8.2. Exposure control****Appropriate technical control measures**

Spray water in case of danger caused by explosive concentrations of gases, vapours or aerosols of the mixture. Efficient ventilation in work places

**Individual protective measures,****Eyes or face protection**

Use tight protective glasses according to PN-EN:166:2005.

**Skin protection****Hands protection**

Protective PVC gloves.

Choose gloves considering breakthrough time and rate and degradation.

It is advisable to regularly change gloves and change them immediately if there is any symptom of wear, damage (tear, punch) or any change in appearance (colour, elasticity, shape). Use protective cream for body parts.

**Body protection**

Protective clothes of tight knitted fabrics. Protective shoes of nitrile rubber.

**Respiratory protection**

Not required in normal working conditions.

In case of danger of vapours of dangerous components use self contained protection of respiratory tract

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with filters according to PN-EN 149:2001.

**Environmental control**

No data available.

**General indications on safety and hygiene.**

Immediately change contaminated clothing.

Apply protective cream on uncovered parts of the body. After using the product wash hands and face

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

<b>Appearance:</b>	Liquid.
<b>Colour:</b>	According to specification RANAL
<b>Odour:</b>	Aromatic
<b>pH:</b>	Not applicable.
<b>Boiling point:</b>	137°C
<b>Autoignition point:</b>	460 °C
<b>Melting point/ melting range:</b>	No data.
<b>Flash point:</b>	24°C
<b>Range of explosive mixtures with air:</b>	1,0 – 7,0% vol.
<b>Vapour pressure:</b>	8,0 hPa / 20 °C
<b>Relative density:</b>	1,4 g/cm <sup>3</sup> at 20°C
<b>Solubility in water:</b>	Poor
<b>Solvent layer:</b>	No..

**9.2 Other information**

No data available.

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

Product not chemically reactive under normal conditions.

**10.2. Chemical stability**

Product stabile under normal conditions of use and storage.

**10.3. Possibility of hazardous reactions**

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

**10.4. Conditions to be avoided**

Avoid contact with heat sources and flammable materials.

**10.5. Incompatible materials**

Avoid contact with strong oxidants, amines, alcohols, flammable materials.

**10.6. Hazardous decomposition products**

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

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

Mixtures

Acute toxicity:

No toxicological data available for the product.

Local effect:

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Methods of exposure:

Respiratory system, alimentary tract, contact with skin, contact with eyes.

Contact with skin:

Causes skin irritation.

Harmful in contact with skin.

May cause an allergic skin reaction.

May cause irritation, redness.

Contact with eyes:

Contact with the liquid or its vapours may cause irritation, redness and lacrimation.

Respiratory system:

Harmful if inhaled.

Breathing vapours of the product may cause irritation of mucous membrane.

Alimentary tract:

May cause irritation of mucous membrane of alimentary tract, nausea and vomiting.

Late, direct and chronic effect of short and long-lasting exposure

Mixture is not carcinogenic, mutagenic or harmful for reproduction.

May cause an allergic skin reaction.

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

Acute toxicity for aquatic life

No data available.

Acute toxicity for other organisms:

No data available.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**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 Metody unieszkodliwiania odpadów****Waste treatment methods**

Waste containers and remains of the product should be disposed of by authorized entities.

Waste code

08 01 11 waste paint and varnish containing organic solvents or other dangerous substances.

Waste container code:

15 01 02 plastic packaging.

15 01 04 metallic packaging.

**SECTION 14: TRANSPORT INFORMATION**




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	<b>ADR/RID</b>	<b>IMGD</b>	<b>IATA</b>
<b>14.1. UN number</b>	<b>1263</b>	<b>1263</b>	<b>1263</b>
<b>14.2. UN proper shipping name</b>	<b>PAINT</b>	<b>PAINT</b>	<b>PAINT</b>
<b>14.3. Transport hazard class(es)</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>Classification code</b>	<b>F1</b>	<b>F1</b>	<b>F1</b>
<b>Warning label no 3</b>			
<b>14.4. Packaging group</b>	<b>III</b>	<b>III</b>	<b>III</b>
<b>14.5. Environmental hazard</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>14.6. Special precautions for users</b>	Not applicable.	Not applicable.	Not applicable.
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 Convention and the IBC Code</b>	Not applicable.	Not applicable.	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 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing European Chemicals Agency, amending Directive 1999/45/EC and repealing Regulation of the Council (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Directive of the Council 76/769/EEC and of the Commission 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- Regulation (EC) No 1272/2008 of December 16 2008 on Classification, Labeling and Packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006.
- Commission Regulation (EC) No 790/2009 of August 10 2009 amending for the purposes of its adaptation to technical and scientific progress, Regulation of the European Parliament and of the Council (EC) No 1272/2008 of December 16 2008 on Classification, Labeling and Packaging of substances and mixtures.
- Commission Regulation (EU) No 453/2010 of May 20 2010; amending Regulation (EC) No 1907/2006 Of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- Classification of dangerous Goods according to European Agreement concerning international road transport of dangerous goods (ADR).

**15.2. Chemical safety assessment**

Chemical safety assessment for the mixture has not been performed.

**SECTION 16: OTHER INFORMATION**

Full text of the phrases identifying the types of hazards and R phrases mentioned in section: 3

R 10	Flammable.
R 20/21	Harmful if inhaled and in contact with skin.
R 38	Irritating to skin.
H226	Flammable liquid and vapours.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.

Recommended restrictions in use:

Only for professional use.

Training instructions

Before use get acquainted with material safety data sheet.

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

CAS (Chemical Abstracts Service)

EC number describes one of the following:

- number ascribed to a substance in the European Inventory of Existing Commercial Chemical Substances

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(EINECS),

· number ascribed to a substance in the European List of Notified Chemical Substances (ELINCS).

· number in No longer Polymers list (NLP) of the EU

MPC – maximum permissible concentration of health hazardous substances in a work place

MPIC – maximum permissible instantaneous concentration

MPCC – maximum permissible ceiling concentration

UN no – substance identification number

ADR – European Agreement on international road transport of dangerous goods,

RID – Regulation on international rail transport of dangerous goods,

IMDG – International Marine Code of Dangerous Goods

IATA – International Air Transport Association

Other sources of information

IUCLID International Uniform Chemical Information Database

ESIS European Chemical Substances Information System

ECHA Website

Other information:

Product described in the safety data sheet should be stored and handled according to good industry practice and in accordance with all legal regulations.

All information and recommendations included in the safety data sheet are based on our general experience and our latest knowledge and are presented in good faith. No part of this publication can be treated as guarantee, warranty or position directly, indirectly or other. In each case it is the user's responsibility to verify if given information is precise, complete and applicable in particular situation. The user is responsible for creation of safe conditions for the product to be used and for all the effects of incorrect use of the product.

Changes: General update

Trainings: Before using the product, the user should get acquainted with the rules of safety and hygiene of working with chemicals, and especially an appropriate toolbox talk is needed.