

1K ACRYLIC PRIMER

SECTION 1: MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION

1.1. Product identification

1K ACRYLIC PRIMER

UFI: 3801-606C-J00G-MFV0

1.2. Relevant identified uses mixture and uses advised against

For professional car body repair.

Identified uses: universal anti-corrosion primer based on acrylic resins. Intended for professional use. *

Uses advised against: No further data available. *

1.3. Data of the safety data sheet supplier

Przedsiębiorstwo RANAL Sp. z o.o.

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1.4. Emergency telephone number:

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Mixture classification

Classification according to the regulation (EC) no 1272/2008 [CLP]*:

The Product has been classified as hazardous.

Flam. Liq. 3 Flammable liquid, hazard category 3

H226 Flammable liquid and vapour

Skin Irrit. 2 Skin irritation, hazard category 2

H315 Causes skin irritation.

Eye Irrit. 2 Causes eye irritation. *

H319 Causes eye irritation. *

STOT SE 3 Specific target organ toxicity – single exposure, cat. 3 Respiratory irritation. *

H335 May cause respiratory irritation. *

STOT RE 2 Specific target organ toxicity – repeated exposure, cat. 2 *

H373 May cause damage to organs through prolonged or repeated exposure. *

2.2. Label elements

Contains:

Xylene

Classification according to the regulation EC 1272/2008.

Pictograms:



GHS02



GHS07



GHS08

Signal word: **Warning.**

Hazard statement*:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes eye irritation. *

H335 May cause respiratory irritation. *

H373 May cause damage to organs through prolonged or repeated exposure. *

Precautionary statements:

Prevention*:

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

P260 Do not breathe mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Reaction:

P314 Get medical advice, attention if you feel unwell. *

Storage:

P403-P235 Store in a well-ventilated place. Store in a cool location. *

Disposal:

P501 Dispose of contents/container to landfill : for hazardous substances.

Additional information:

EUH211 Warning! Hazardous respirable droplets may form if sprayed. Do not breathe spray or vapour. *

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2.3. Other hazards

The product does not contain components which meet the criteria of PBT or vPvB.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Chemical nature: A mixture of organic compounds with additives.

Substance name	Concentration %	CAS	EC	Index no	Registration no:	Hazard class
Xylene	25 – 35	1330-20-7	215-535-7	601-022-00-9	01-2119488216-32- xxxx	Flam. Liq. 3, H226, Acute Tox. 4, H312, Acute Tox. 4, H332, Skin Irrit. 2; H315, Eye Irrit. 2, H319, STOT SE 3, H335, STOT RE 2, H373, Asp. Tox. 1, H304
Ethylbenzene*	< 7	100-41-4	202-849-4	601-023-00-4	01-2119489370-35- xxxx	Flam. Liq. 2, H225, Acute Tox. 4, H332, STOT RE 2, H373, Asp. Tox. 1, H304
Titanium dioxide*	0 – 4.5	13463-67-7	236-675-5	-	01-2119489379-17-0004	Carc. 2 H351 (inhalation)

Full hazard statements provided in section 16 of the Sheet.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Exposure routes: inhalation, ingestion, skin contact, eye contact.

Inhalation effects: Remove the injured person from the area of exposure, provide access to fresh air. In case of respiratory arrest perform artificial respiration. Provide medical aid if needed. *

Ingestion effects: Rinse mouth with water. Do not give anything to an unconscious person to swallow. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Take the victim immediately to the hospital. *

Contact with eyes: Remove contact lenses. Rinse with plenty of water with the eyelid held wide open, avoiding a strong water jet. If necessary consult an ophthalmologist. *

Contact with skin: Take off contaminated clothes and shoes. Clean contaminated skin with plenty of water and wash with water and soap. If skin irritation persists, consult a doctor. *

4.2. Most important symptoms both acute and delayed

High doses of vapours may cause: dizziness, drowsiness, headache, vomiting, loss of consciousness. Contact with skin may cause allergic reactions and its dryness and cracking. *

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

Symptomatic treatment. Provide the doctor with the product safety data sheets. First aiders should wear medical gloves. *

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: carbon dioxide CO₂, extinguishing powders, foam resistant to alcohol, water mist. *

Unsuitable extinguishing agents: Do not use strong jets of water on the surface of the burning product. This causes scattering of the burning product and thus the spread of the fire.

5.2. Special hazards arising from the substance or mixture

Flammable liquid mixture.

Combustion products: Combustion produces toxic gases, carbon monoxide and carbon dioxide. Vapours may ignite again. *

Explosive mixtures: As a result of increased temperature, containers may burst suddenly, releasing flammable and harmful gases.

5.3. Advice for fire fighters

Apply standard methods of extinguishing chemical fires.

Tanks exposed to high temperature should be cooled with water from a safe distance and, if possible, removed from the endangered area.

Collect the extinguishing water. Prevent fire-fighting water from entering surface or ground water. *

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

Evacuate personnel to a safe place. Eliminate ignition sources. Avoid breathing vapour, mist, spray. Provide adequate ventilation. Avoid contamination of eyes, skin and clothing. Wear protective clothing and equipment. *

6.2 Environmental precautions

Prevent contamination of the environment.

Secure drains.

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In the event of serious contamination of a watercourse, sewage system or soil, notify the appropriate administrative and control authorities and rescue organizations.

6.3. Methods and materials for containment and cleaning up

Eliminate the source of the leak. Collect small spills with non-combustible absorbent material. Collect large spills mechanically. Collect contaminated soil. *

6.4 Reference to other sections

Personal protection: section 8 of the Sheet.

Disposal methods: section 13 of the Sheet.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Avoid open flames and high temperature. Work in well-ventilated rooms. Do not breathe vapours or spray. Avoid contamination of eyes, skin and clothing. Do not eat or drink at the site where the product is used. Wash hands before each break and at the end of work. Observe the rules of personal hygiene. *

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed, original containers. Store in a cool and well-ventilated place. Away from the sources of fire and heat. Avoid electrostatic discharge. *

7.3 Special end use (s)

No data.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. Control parameters

Maximum permissible concentrations*:

SUBSTANCE	CAS	MPC (mg/m ³)	MPIC (mg/m ³)	MPCC (mg/m ³)	Remarks: Labelling the substance with notation 'skin'**
Xylene	1330-20-7	100	200	-	Skin
Ethylbenzene	100-41-4	200	400	-	Skin
titanium dioxide (inhalable fraction)	13463-67-7	10	-	-	-

** Labelling the substance with the notation "skin" means that the absorption of the substance through the skin may be just as important as for inhalation exposure.

DNEL values*:

Xylene	DNEL values:	workers	Skin	long-term exposure - systemic effects	212 mg/kg bw day
	DNEL values:	workers	inhalation:	acute exposure - local effects	442 mg/m ³
	DNEL values:	workers	inhalation:	acute exposure - systemic effects	442 mg/m ³
	DNEL values:	workers	inhalation:	long-term exposure - local effects	221 mg/m ³
	DNEL values:	workers	inhalation:	long-term exposure - systemic effects	221 mg/m ³
	DNEL values:	consumers	ingestion:	long-term exposure - systemic effects	12.5 mg/kg b. w./day
	DNEL values:	consumers	Skin	long-term exposure - systemic effects	125 mg/kg bw day
	DNEL values:	consumers	inhalation:	acute exposure - local effects	260 mg/m ³
	DNEL values:	consumers	inhalation:	acute exposure - systemic effects	260 mg/m ³
	DNEL values:	consumers	inhalation:	long-term exposure - local effects	65.3 mg/m ³
Ethylbenzene	DNEL values:	consumers	inhalation:	long-term exposure - systemic effects	65.3 mg/m ³
	DNEL values:	workers	Skin	long-term exposure	180 mg/kg bw day
	DNEL values:	workers	inhalation:	acute exposure	289 mg/m ³
	DNEL values:	workers	inhalation:	long-term exposure	77 mg/m ³
	DNEL values:	consumers	Skin	long-term exposure	108 mg/kg bw day
	DNEL values:	consumers	inhalation:	acute exposure	174 mg/m ³
	DNEL values:	consumers	inhalation:	long-term exposure	14.8 mg/m ³
DNEL values:	consumers	ingestion:	long-term exposure	1.6 mg/kg bw day	

PNEC values*:

Xylene	PNEC values:	fresh water	0.327 mg/l
	PNEC values:	sea water	0.327 mg/l
	PNEC values:	Sediment (fresh water)	12.46 mg/kg d. m. of sediment
	PNEC values:	Sediment (sea water)	12.46 mg/kg d. m. of sediment
	PNEC values:	biological sewage treatment plant	6.58 mg/dm ³
	PNEC values:	soil	2.31 mg/kg d. m. of soil
Ethylbenzene	PNEC values:	fresh water	0.1 mg/l
	PNEC values:	sea water	0.01 mg/l
	PNEC values:	Sediment (fresh water)	13.7 mg/kg d. m. of sediment
	PNEC values:	Sediment (sea water)	1.37 mg/kg d. m. of sediment
	PNEC values:	biological sewage treatment plant	9.6 mg/dm ³
	PNEC values:	soil	2.68 mg/kg d. m. of soil

8.2. Exposure control

Technical control measures:

General and local exhaust ventilation. Explosion-proof electrical installation. *

Eye or face protection:



Protective goggles / tight safety glasses. *

Hands and skin protection:

Gloves resistant to chemicals. *

Material of gloves:

Gloves resistant to solvents. During full contact PVA neoprene gloves (thickness >0.5 mm, penetration time >480 min. As the product is a mixture consisting of several substances, the resistance of the materials from which the gloves are made cannot be calculated in advance and should therefore be checked before use. Information about the penetration time of the substance should be obtained from the glove manufacturer. *

Body protection:

Protective, antistatic clothing. *

Respiratory protection

With insufficient ventilation, a half mask with an organic vapour filter of type A or better (EN 140 or EN 141). *

Environmental control:

Prevent the product from entering into sewage system, water and soil. *

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:

liquid

Colour:

depending on the colour of the base coat

Odour:

characteristic*

Melting/freezing point:

no data

Boiling point:

approx. 140°C*

Flammability of materials*:

flammable liquid

Bottom and top explosion limit:

0.8- 7.0 % vol. *

Flash point:

24°C

Auto ignition point:

no data available*

Breakdown point*:

no data available

Ph:

not applicable

Viscosity*:

not applicable

Solubility in water:

insoluble*

Solubility in water:

poor

n-octanol/water partition coefficient*:

3.12 – 3.2 xylene

Vapour pressure:

0.65 – 0.944 kPa at 20°C (xylene) *

Density at 20 °C:

< 1.4 g/cm³

Relative vapour density:

no data available*

Particles characteristics*:

no data available

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No experimental data available on the reactivity of the product under conditions of normal use.

10.2. Chemical stability

Under the conditions of correct storage and use, the mixture is chemically stable.

10.3. Possibility of hazardous reactions

Vapours can form an explosive mixture with air. *

10.4. Conditions to be avoided

Avoid contact with heat sources, open flames and flammable materials. *

10.5. Incompatible materials

Avoid contact with strong oxidants and acids. *

10.6. Hazardous decomposition products

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

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on the hazard classes defined in Regulation (EC) No 1272/2008*

There are no experimental data on the toxicological properties of the product. The assessment was based on the data concerning the components included in the product. *

Acute toxicity*:

Xylene	
LD50 (rat, oral)	> 2000 mg/kg
LC50 (rat, inhalation)	> 20 mg/dm ³ /4h
LD50 (rabbit, skin)	> 2000 mg/kg
Ethylbenzene	
LD50 (rat, oral)	>3500 mg/kg
LC50 (rat, inhalation)	>17.2 mg/l/4h
LD50 (skin, rabbit)	> 15400 mg/kg

ATE values*:

ATEmix (oral) >2000 mg/kg body weight
ATEmix (Skin) >2000 mg/kg body weight
ATEmix (inhalation) >20 mg/l

The ATEmix values have been calculated using the appropriate conversion factor in Table 3.1.2. from Regulation 1272/2008/EC, as amended.

The mixture is not classified as acute toxicity. No data confirming the hazard.

Local effects:

Exposure methods: Airways, digestive tract, skin contact, eye contact.

Skin corrosion/irritation: The mixture is classified as causing skin irritation.*

Serious eye damage/eye irritation: The mixture is classified as causing eye irritation.*

Allergic effect on airways or skin: The mixture is not classified as having allergic effect on skin. No data confirming the hazard. *

Mutagenic effect on germ cells: The mixture is not classified as mutagenic. No data confirming the hazard

Carcinogenic effect: The mixture is not classified as carcinogenic. No data confirming the hazard.

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

Specific target organ toxicity – single exposure*: The mixture is classified as toxic to target organs – single exposure. Respiratory irritation.

Specific target organ toxicity – repeated exposure*: The mixture is classified as toxic to target organs – repeated exposure.

Aspiration hazard*: The mixture is not classified as causing aspiration hazard. No data confirming the hazard.

11.2. Information on other hazards*

No data.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

There are no experimental data on the toxicological properties of the product. The assessment was based on the data concerning the components included in the product.*

Xylene		
Acute toxicity to fish (Pimephales promelas)	LC50	16.1 mg/l/96h
Acute toxicity to fish (Oncorhynchus mykiss)	LC50	2.6 mg/l/96h
Acute toxicity to aquatic invertebrates (Daphnia magna)	EC50	3.82 mg/l/48h
Acute toxicity to algae	EC50	2.2 mg/l/73h

Ethylbenzene		
Toxicity to fish (Pimephales promelas)	LC50	49 mg/l/96h
Acute toxicity to aquatic invertebrates (Daphnia magna)	EC50	184 mg/l/24h

Styrene toxicity to fish (Pimephales promelas)	LC50	10 mg/l/
Toxicity daphnia	EC50	4.7mg/l/
toxicity to algae	EC50	4.9 mg/l/72h
toxicity to algae	EC50	6.3 mg/l/96h
2-ethylhexanoic acid zirconium salt		
Toxicity to fish	LC50	>100 mg/l
toxicity to aquatic invertebrates	EC50	85.4 mg/l
toxicity to algae	ErC50	49.3 mg/l

cobalt bis(2-ethylhexanoate)		
Chronic toxicity to fish (Cyprinodon variegatus)	LC50	41.6 mg/l/28 days
Chronic toxicity do daphnia and other aquatic invertebrates	EC10	0.0197 mg/l/7days

12.2. Persistence and degradability

Xylene– biodegradable. *

12.3. Bioaccumulative potential

Ethylbenzene – log Pow 3.15. *

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12.4. Mobility in soil

Ethylbenzene- distribution between environmental compartments: log Koc: 3.12. *

12.5. Results of PBT and vPvB assessment

No data.

12.6. Endocrine disrupting properties*

No data.

12.7. Other hazardous effects*

No data.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Used packaging and waste product should be delivered to authorised companies.
Dispose of according to applicable local and official waste regulations – see section 15.*

Waste code:

08 01 11 Waste paints and varnishes containing organic solvents or other dangerous substances.

Waste container code:

15 01 10* Packaging containing residues of or contaminated by dangerous substances (e.g. pesticides of I and II class of toxicity – very toxic or toxic).

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number*

14.2 UN proper shipping name

14.3 Transport hazard class (-es)

14.4 Packaging group

14.5 Environmental hazards

14.6 Special precautions for users

14.7 Sea transport in bulk in accordance with IMO instruments*

ADR

1263

PAINT

3

III

no

Not applicable.

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations / legislations specific for the substance or mixture

*

- Regulation (EC) NR 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 as amended.
- Regulation (EC) NR 1272/2008 of the European Parliament and of the RADY 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 as amended.

15.2. Chemical safety assessment

Chemical Safety Assessment has not been carried out for the mixture.

SECTION 16: OTHER INFORMATION

Full text of hazard statements mentioned in section 2– 15 of:

- Flam. Liq. 2 Flammable liquids, cat. 2
H225 Highly flammable liquid and vapour.
Flam. Liq. 3 Flammable liquids, cat. 3
H226 Flammable liquid and vapour.
Acute Tox. 4 Acute toxicity, cat. 4
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
Skin Irrit. 2 Skin irritation, cat. 2
H315 Causes skin irritation.
Eye Irrit. 2 Eye irritation, cat. 2
H319 Causes eye irritation.
Carc. 2 Carcinogenicity, cat. 2
H351 Suspected of causing cancer.
STOT SE 3 Specific target organ toxicity – single exposure, cat. 3.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
STOT RE 2 Specific target organ toxicity – repeated exposure, cat. 2,
H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 Aspiration hazard.

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H304 May be fatal if swallowed and enters airways.

Explanation of abbreviations*:

EC	reference number used in the European Union to identify hazardous substances, in particular those registered in the European Inventory of Existing Chemical Substances (EINECS), or in European List of Notified Chemical Substances (ELINCS) or the list of chemicals listed in 'No-longer polymers'.
CAS	a number assigned to a chemical substance in Chemical Abstracts Service
MPC	maximum permissible concentration at the workplace - the highest permissible weighted average concentration, whose impact on the employee during 8 hours of work, throughout the entire period of his professional activity, should not cause changes in his state of health and the state of health of his future generations.
MPIC	maximum permissible instantaneous concentration - the maximum permissible instantaneous concentration set as an average value that should not cause negative changes in the state of health of the worker and the state of health of his future generations, if it persists in the work environment for no more than 30 minutes during a shift.
MPCC	concentration value which, due to the threat to the employee's health or life, cannot be exceeded in the work environment at any time.
vPvB	substance, which is very Persistent and very Bio-accumulative
PBT	substance, which is Persistent, Bio-accumulative and toxic
DL50	lethal dose - the dose at which deaths of 50% of test animals are observed over a specified period of time
CL50	lethal concentration - the concentration at which deaths of 50% of the test animals are observed over a specified period of time
CE50	effective concentration - the effective concentration of the substance causing a response at 50% of the maximum value
DNEL	no-harmful level for human health - the level of exposure to a substance not harmful to human health
PNEC	predicted no-effect concentration - the concentration of the substance below which no harmful effects for the environment are expected
PBC	permissible concentration in biological material - the highest permissible level of a specific factor or its metabolite in the relevant biological material or the highest permissible value of an appropriate indicator determining the impact of a chemical agent on the body
BCF	bioconcentration factor - the ratio of the concentration of a substance in the body to its concentration in water at equilibrium
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
UN number	four-digit material identification number in the UN Hazardous Materials List, derived from the UN Model Regulations, to which the individual material, mixture or object is classified

Recommended restrictions in use:

The product is intended for professional use only.

Other information sources:

IUCLID International Uniform Chemical Information Database
ECHA Website

Other information:

The product described in the safety data sheet should be stored and used in accordance with good industrial practice and in accordance with all legal regulations. The information and recommendations contained in the safety data sheet are based on our general experience and our latest knowledge, and have been presented in good faith. No part of this publication can be treated as guarantee, warranty or position directly, indirectly or otherwise. In all cases, it is the user's responsibility to determine and verify that the information and recommendations are accurate, sufficient and relevant to the particular case. The user is responsible for creating the conditions for the safe use of the product and he is responsible for the consequences of incorrect use of this product.

Classification of mixtures and evaluation method according to the Regulation (EC) No. 1272/2008 [CLP]:

Calculation method

Training:

Before they start working with the product, the users should learn the Safety Data Sheet and Health and Safety regulations regarding handling chemicals, and in particular, undergo appropriate workplace training.

Changes in the Sheet:

Update of sections:

11: rewording of sub-section 11.1: Information on the hazard classes defined in Regulation (EC) No 1272/ 2008: added subsection 11.2.

Information on other hazards

12: new subsection 12.6: Endocrine disrupting properties.

14: rewording of sub-section 14.1: UN number or ID number; rewording of sub-section 14.7: Sea transport in bulk in accordance with IMO instruments.

Changes in the content of sections:

1.1, 1.2, 2.1, 2.2, 3.2, 4.1, 4.2, 4.3, 5.1, 5.2, 5.3, 6.1, 6.3, 7.1, 7.2, 8.1, 8.2, 9.1, 10.1, 10.3, 10.4, 10.5, 11.1, 11.2, 12.1, 12.2, 12.3, 12.4, 12.6, 12.7, 13.1, 14.1, 14.7, 15.1, 16.

General update.

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