



ML – ANTI CORROSION INSIDE COAT

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

1.1. Product identification

ML – ANTI CORROSION INSIDE COAT

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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1.4. Emergency telephone

+48 34 329-45-03 (from 7:30 am. to 3:30 pm.)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification 1999/45/EC:

The mixture was classified as dangerous according to current regulations – see section 15.

Harmful substance. Irritating to respiratory system and skin. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Flammable. Dangerous to the natural environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements:

Contains: Petroleum light arom.

Signs:



Risk symbol:

Xn Harmful

N Dangerous to the natural environment

Risk index:

R11 Highly flammable.

R37/38 Irritating to respiratory system and skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

Safety index:

S(2-) Keep out of the reach of children.

S16 Keep away from sources of ignition - No smoking.

S23 Do not breathe vapour/spray.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible.

2.3. Other hazards

No data available.



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

Not applicable.

3.2. Mixtures**Product identification**

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Substance name	Identification numbers	Classification and marking	Concentration [%]
Naphtha (petroleum), heavy straight run arom.	EC: 309-945-6 CAS: 101631-20-3 Index no: 649-273-00-3 Registration no: --	Classification 67/548/EEC: With note P, note H and note 4; benzene weight content (EINECS no 200-753-7) less than <0,1%: R10 Xn; R65 Xi R37/38 R66 Classification 1272/2008/EC: Carc. 1B; H350 Muta. 1B; H340 ASP. Tox. 1; H304	30-40%
Petroleum light arom.	EC: 271-635-0 CAS: 68603-08-7 Index no: 649-372-00-1 Registration no: --	Classification 67/548/EEC: With note P, note H and note 4; benzene weight content (EINECS no 200-753-7) less than <0,1%: R10 Xn; R65 Xi R38 R67 N; R51/53 Classification 1272/2008/EC: Carc. 1B; H350 Muta. 1B; H340 ASP. Tox. 1; H304	15-25%

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:**

General information:

See section 11 of the Material Safety Data Sheet.

Inhalation:

Take the victim outside to the fresh air, ensure quiet surrounding, 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

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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 irritation of eyes, nose and throat. 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.

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 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)



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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

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. Toxic to aquatic organisms. May cause long-term adverse effects in aquatic environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Parameter	Value
Physical state	liquid
Colour	light yellow
Odour	characteristic for petroleum
Odour treshold	no data available
pH	not applicable
Melting / freezing point	<20°C
Boiling point	126-200°C
Flash point	>26°C
Autoignition point	>200°C
Breakdown point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	not applicable
Explosion limits	no data available
Vapour pressure	no data available
Vapour density(with regard to air)	no data available
Density	about 0.85 g/cm ³ (20°C)
Solubility (in water)	not soluble
n-oktanol/water division ratio	no data available
Viscosity	25-40s
Explosive properties	not applicable
Oxidizing properties	not applicable

9.2. Other information

No data available.

**ML – ANTI CORROSION INSIDE COAT****SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Product not reactive under normal conditions.

10.2. Chemical stability

Product stable under normal conditions.

10.3. Possibility of hazardous reactions

Carbon monoxide and other toxic gases are generated in case of fire.

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

Available data concerning LD₅₀ doses is divergent. It is considered that in case of human the petroleum dose of about 10 ml absorbed through alimentary tract may be dangerous.

b) Irritating effect

Skin: irritating to skin and mucous membrane
Eyes: irritating effect

c) Caustic effect

Mixture is not classified as caustic. No available data confirming the hazard class.

d) Allergic effects

Mixture is not classified as having allergic effects. No available data confirming the hazard class.

e) Toxicity for repeated exposure

Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

f) Cancerogenity

Mixture is not classified as cancerogenic. No available data confirming the hazard class.

g) Mutagenity

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

h) Harmful effect on reproduction

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

Exposure methods:

Respiratory tract: Irritating to respiratory tract.

Skin: Irritating to skin.

Eyes: Irritating effect.

Harmful; may cause lung damage if swallowed. 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.

**ML – ANTI CORROSION INSIDE COAT****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

Acute toxicity(white spirit)
Gammarus pulex 70 mg/dm³
Paramecium cadatum 60 mg/dm³
Toxicity for invertebrate: 3 mg/l/48h

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 assesment

No data available.

12.6. Other hazardous effects

Toxic to aquatic organisms. May cause long-term adverse effects in aquatic environment.

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.

Product remains:

Waste code: 08 01 11* Do not dispose the product into the sewage system. Do not store with communal waste. Remove carefully the remains of the product and leave to dry completely (only in well ventilated rooms).

CAUTION: Dry the remains only in well-ventilated rooms and away from flammable products.

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.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (Petroleum arom.)

14.3. Transport hazard class (es)

3

14.4. Packaging group

III

14.5. Environmental hazards

Yes

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.

**ML – ANTI CORROSION INSIDE COAT****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**

- Directive 67/548 /EWG (2006/121/WE)
- Directive 91/155/EWG (2001/58/WE)
- Directive 1999/45/EC (2006/8/WE)
- REACH – Regulation 2006/1907/WE
- CLP – Regulation 1272/2008/WE
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15.2. Chemical safety assessment

Not performed

SECTION 16: OTHER INFORMATION**16.1. Full text of the phrases identifying the types of hazards and R phrases mentioned in sections 2-15:**

R10 Flammable.

R11 Highly flammable.

R38 Irritating to skin.

R37/38 Irritating to respiratory system and skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Asp. Tox. 1

STOT RE 2 Toxic effect on target organs – repeated exposure (cat.2)

H304 May be fatal if swallowed and enters airways.

Muta. 1B

H340 May cause genetic defects.

Carc. 1B

H350 May cause cancer.

16.2. Explanations of the abbreviations and acronyms used in the Material Safety Data Sheet:**Nr CAS** – numerical symbol ascribed to a chemical substance by the American organization Chemical Abstracts Service (CAS).**Nr EC** – 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

Information based on our current knowledge. This document shall not constitute warranty for product characteristics.

Classification of the mixture is based on classification rules contained in directive 1999/45/EC.

Changes: general update