ANTI CORROSSION INSIDE COATING AGENT ML

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

1.1. Product identification

ANTI CORROSION INSIDE COATING AGENT ML

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

Inside coating anti corrosion product. For professional use in car refinish.

1.3. Data of the safety data sheet supplier

Przedsiębiorstwo RANAL Sp. z o.o.
Tel: +48 34 329 45 03
Ul. Warszawska 36a
Fax:+48 34 320 12 16
PL 42-240 Rudniki

Person responsible for the safety data sheet
ranal@ranal.pl

1.4. Emergency telephone

+48 34 322-28-77 (from 8.00 am to 03.00 pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Classification 1272/2008/EC:
Aspiration hazard, category 1 (Asp. Tox. 1) May be fatal if swallowed and enters airway. Causes skin irritation, hazard category 2 (Skin Irrit.2) Irritating to skin. Toxic effect on target organs – single exposure, hazard category 3,irritating to respiratory system (STOT SE 3) May cause respiratory irritation. Toxic effect on target organs – single exposure, hazard category 3,narcotic effect (STOT SE 3). May cause drowsiness or dizziness. Hazardous for aquatic environment – chronic hazard, category 2 Toxic effect on aquatic life with long lasting effects. Flammable liquids hazard category 3. (Flam. Liq. 3). Flammable liquid and vapours.
Classification 1999/45/EC:
Harmful. Irritating to respiratory system and skin. Harmful; may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Flammable. Dangerous for the environment. Toxic to aquatic life.; may cause long lasting adverse effects in aquatic environment.

2.2. Label elements:

Contains xylene
Pictograms:

Warning word: **Danger**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long-lasting effects.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a doctor.
P331	Do NOT induce vomiting.

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
ANTI CORROSION INSIDE COATING AGENT

Substance name	Identification numbers	Classification and labeling	Concentration [%weight]
Naphtha (petroleum), Heavy straight run arom-contg.	EC: 309-945-6 CAS: 101631-20-3 Index no: 649-273-00-3 Registration no: --	Classification 67/548/EEC: With note P, H, 4;benzene weight content (EINECS no 200-753-7) less than<0,1%: R10 Xn; R65 Xi R37/38 R66 Classification 1272/2008/EC: Flam. Liq. 3; H226 STOT SE 3; H335; H336 Asp. Tox. 1; H304 EUH 066	60-70
Low boiling petroleum unspecified	EC: 271-635-0 CAS: 68603-08-7 Index no: 649-372-00-1 Registration no: --	Classification 67/548/EEC: With note P, H, 4; benzene weight content (EINECS no 200-753-7) less than<0,1%: R10 Xn; R65 Xi R38 R67 N; R51/53 25-35 Classification 1272/2008/EC: Flam. Liq. 3; H226 Skin Irrit.; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2 H411	25-35

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:
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.**

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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 comea damage, consult 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 vapour. 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.

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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)

Inside coating product. 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^3)	MPIC (mg/m^3)	MPCC (mg/m^3)
64742-82-1	Naphtha (petroleum)	300	---	---

PN-EN 482:2009 Workplace Atmospheres – General Requirements for the Performance of Procedures for the Measurement of Chemical Agents.
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..
PN-81/Z-04134.03 Air purity protection – Tests for Petroleum and its Components – Determination of Naphtha C Vapours for Lacquers in Work Places by Gas Chromatography with Samples Enrichment.

8.2. Exposure control

Respiratory tract protection:
Gas mask with A type absorber (EN 141).

Hands 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:
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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	liquid
Colour	light yellow
Odour	characteristic for petroleum
Odour threshold	no data
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
Evaporation rate	no data

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Flammability (solid, gas)	not applicable
Explosion limits	no data
Vapour pressure	no data
Vapour density (with regard to air)	no data
Density	about 0.85 g/cm3(20°C)
Solubility (in water)	not soluble
n-octanol/water partition coefficient	no data
Kinematic viscosity	60 mm_2 /s (40°C)
Explosive properties	not applicable
Oxidizing properties	not applicable

9.2. Other information
No data available.

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 are generated in case of fire.

10.4. Incompatible materials
Avoid contact with large amounts of organic peroxides, strong acids and bases, as well as other strong oxidants. Take precaution measures against electrostatic discharge. Protect from the 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
Literature data on doses LD_{50} is divergent. It is assumed that per human about 10 ml of petroleum by ingestion may be a dangerous dose.

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 or dizziness.

f) Carcinogenicity
Mixture is not classified as carcinogenic. No available data confirming the hazard class

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

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h) Harmful effect on reproduction
Mixture is not classified as mutagenic. No available data confirming the hazard class.

Exposure methods:
Respiratory system: May cause lung damage if swallowed. Causes respiratory irritation.
Skin:. Causes skin irritation.
Eyes: Causes eye irritation.
Harmful; may cause lung damage if swallowed. Ingestion may cause irritation of alimentary tract, nausea, vomiting and diarrhea.
Poisoning symptoms:
Headaches and dizziness, fatigue, decreased muscle power, drowsiness and in exceptional instances loss of consciousness.

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(crustacea)	70 mg/dm$_3$
	Paramaecium cadatum (algae)	60 mg/dm$_3$

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
Harmful to aquatic life; may cause long lasting 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 residues:
Waste Code: 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances.
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:
The remains should be left to dry only in well ventilated rooms and away from flammable products.
Waste container:
A contaminated container containing unhardened remains of the product is harmful waste.
Waste code: 15 01 10*. packaging containing residues of or contaminated by dangerous substances. Do not store with communal waste. Container should be returned to the producer. If it is not possible, 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

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FLAMMABLE LIQUIDS, N.O.S. (petroleum containing aromatic hydrocarbons)

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.

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 on the 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
- Regulation of the European Parliament and of the Council (EC) No 453/2010 of May 20 2010 amending 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)
- 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, 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)

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:
R10 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.
Flam.Liq.3 Flammable liquids, cat.3
H226 Flammable liquid and vapours.
Asp. Tox. 1 Aspiration hazard cat.1
H304 May be fatal if swallowed and enters airways.
Skin Irrit. 2 Irritating to skin, cat. 2
H315 Causes skin irritation (category 2)
STOT SE 3 Toxic effect on target organs – single exposure, cat. 3
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
Aquatic Chronic 2 Hazardous for aquatic environment – chronic hazard, cat. 2
H411 Toxic to aquatic life with long-lasting effects.
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).

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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
ADR– European Agreement on international road transport of dangerous goods.
IMO– International Marine Organization.
RID– Regulation on international rail transport of dangerous goods.
IMDG-Code– International Marine Code of Dangerous Goods.
ICAO /IATA – Technical instructions for safe air transport of dangerous goods.

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

Other sources of information:
ESIS European Chemical Substances Information System
TOXNET Toxicology Data Network
IUCLID International Uniform Chemical Information Database
Changes: General update