

ML ANTI-CORROSION INSIDE COAT TRANSPARENT

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

1.1. Product identification

ML ANTI-CORROSION INSIDE COAT TRANSPARENT

UFI: SU80-301R-M00A-YCS5

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

No further relevant data available.

Use of the substance/mixture

Anti-corrosion additive.

1.3. Data of the safety data sheet supplier

Przedsiębiorstwo RANAL Sp. z o.o.

Ul. Łódzka 3
42-240 Rudniki k. Częstochowy, PL
Tel.: +48 34 329 45 03
Fax: +48 34 320 - 12 - 16
Registration number: 000029202

Person responsible for the safety data sheet:

ranal@ranal.pl

1.4. Emergency telephone

Tel.: +48 34 329 45 03 (8.00-15.00)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to the regulation (EC) no 1272/2008.



GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2. Label elements

Classification according to the regulation (EC) no 1272/2008:

The product has been classified and labelled according to CLP regulation.

Hazard pictograms:



Signal word: **Warning.**

Label elements specifying the type of hazard:

Naphtha, (petroleum), hydrotreated heavy.

Naphtha, (petroleum), hydrotreated heavy.

Distillates (petroleum), hydrotreated light.

Hazard statement:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary statements:

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

P243 Take precautionary measures against static discharge.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.

P403+P233 Store in a well ventilated place. Keep container tightly closed

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains calcium sulfonate. May cause an allergic reaction.

2.3. Other hazards

Crude oil / crude oil distillate / lubricating oil meet the requirements not to be classified as carcinogenic (<0.1% benzene alt <3% (w / w) DMSO extract (IP 346)).

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2 Mixtures

Description: Mixture of substances listed below with additives.

Hazardous components:		
CAS: 64742-48-9 EC: 919-857-5 Reg.No: 01-2119463258-33	Naphtha, (petroleum), hydrotreated heavy Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	25 - <50%
CAS: 64742-48-9 EC: 919-857-5 Reg.No: 01-2119463258-33	Naphtha, (petroleum), hydrotreated heavy Flam. Liq. 3, H226; Asp. Tox. 1, H304	1 - <3%
CAS: 61789-86-4	Calcium sulfonate Skin Sens. 1B H317	1 - <3%
CAS: 64742-47-8 EINECS: 265-149-8	Distillates (petroleum), hydrotreated light. Asp. Tox. 1, H304; STOT SE 3, H336	1 - <3%
CAS: 67-56-1 EINECS: 200-659-6 Reg.No: 01-2119433307-44	Methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	<1%

Additional information: For the full text of hazard statements refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information: Immediately take off any clothing contaminated with the product.
Contact with skin: Immediately rinse with water. If skin irritation persists, consult a doctor.
Contact with eyes: Rinse opened eyes for several minutes under running water. If symptoms persists, consult a doctor.
Ingestion: If symptoms persists, consult a doctor.

4.2. Most important symptoms both acute and delayed

No further relevant data available.

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

No further relevant data available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents:
CO₂, dry powder or water spray.
Fight larger fires with water spray or alcohol-resistant foam.

Extinguishing agents unsuitable for safety reasons:
Full jet of water.

5.2. Special hazards arising from the substance or mixture

No further relevant data available.

5.3. Advice for firefighters

Protective equipment: Respiratory protection.
Additional information: Cool endangered containers with water spray.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

Use protective equipment. Keep away people without protective equipment.

6.2. Environmental precautions

Prevent the product from entering sewers, ditches and cellars.
 Prevent the product from entering surface and ground water.

6.3. Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Remove contaminated material as waste in accordance with section 13 of the Data Sheet. Provide adequate ventilation.

6.4. Reference to other sections

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See section 13 for information on disposal disposal.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Provide good ventilation / exhaustion in the workplace. Use only in well ventilated rooms.

Information about fire and explosion protection:
 Keep ignition sources away. Do not smoke.
 Protect against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Storage:
 Requirements to be met by storerooms and receptacles. No special requirements.
 Information about common storage: Not required.
 Further information about storage conditions: Keep containers tightly sealed

7.3. Special end use (s):

No further relevant data available.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

Additional information on the design of technical facilities.
 No further data; see section 7 of the Sheet.

8.1. Control parameters

Components with limit values that require monitoring at the workplace:	
CAS: 67-56-1 Methanol	
WEL	Short-term value: 333 mg/m ³ , 250 ppm Long-term value: 266 mg/m ³ , 200 ppm Sk

Information on WEL regulations: EH40/2011.

DNEL:		
CAS: 64742- 48- 9 Naphtha, (petroleum), hydrotreated heavy		
Oral	Long-term, systemic effects, general population	125 mg/kg bw/day (General population)
Skin	Long-term, systemic effects, worker	208 mg/kg bw/day (Worker)
	Long-term, systemic effects, general population	125 mg/kg bw/day (General population)
Inhalation	Long-term, systemic effects, worker	871 mg/m ³ (Worker)
	Long-term, systemic effects, general population	185 mg/m ³ (General Population)
CAS: 67-56-1 Methanol		
Oral	Acute, systemic effects, general population	8 mg/kg bw/day (General population)
	Long-term, systemic effects, general population	8 mg/kg bw/day (General population)
Skin	Long-term, systemic effects, worker	40 mg/kg bw/day (Worker)
	Acute, systemic effects, general population	8 mg/kg (General population)
	Acute, systemic effects, worker	40 mg/kg bw/day (Worker)
	Long-term, systemic effects, general population	8 mg/kg bw/day (General population)
Inhalation	Acute, local effects, worker	260 mg/m ³ (Worker)
	Long-term, systemic effects, worker	260 mg/m ³ (Worker)
	Long-term, local effects, worker	260 mg/m ³ (Worker)
	Acute, systemic effects, general population	50 mg/m ³ (General Population)
	Acute, systemic effects, worker	260 mg/m ³ (Worker)
	Acute, local effects, general population	50 mg/m ³ (General Population)

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	Long-term, systemic effects, general population	50 mg/m ³ (General Population)
	Long-term, local effects, general population	50 mg/m ³ (General Population)
PNEC		
CAS: 67-56-1 Methanol		
Aquatic compartment - fresh water		20.8 mg/L (not specified)
Aquatic compartment - fresh water		2.08 mg/L (not specified)
Aquatic compartment - water, intermittent release		1.540 mg/L (not specified)
Aquatic compartment - fresh water sediment		77 mg/kg sed dw (not specified)
Aquatic compartment - sea water sediment		7.7 mg/kg sed dw (not specified)
Land compartment - soil		3.18 mg/kg dw (not specified)
Sewage treatment plant		100 mg/L (not specified)

Additional information:

The lists valid during the making were used as basis.

8.2. Exposure control

Personal protection equipment:

General measures of protection and hygiene:

Take off immediately all contaminated clothing. Wash hands before each break and at the end of work.

Respiratory protection:

In case of short-time exposure or a low level of contamination use respiratory protection with a filter.

In case of intensive or long-term exposure, use self-contained breathing apparatus.



Filter type A

Hands protection:



Protective gloves

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation composed of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked before use.

Nitrile rubber, recommended thickness of the material: ≥0.12 mm

Penetration time of the glove material >480 min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eyes protection:



Tight protective glasses

Body protection: Use a protective suit.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:

Form:	liquid
Colour:	beige
Odour:	characteristic
Odour threshold:	not specified
pH:	not specified

Change of state

Melting /freezing point: not specified

Initial boiling point

and boiling range: 154-193°C

Flash temperature: 41°C (DIN 53213)

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Flammability (solid, gas):	Not applicable.
Ignition temperature:	>200°C
Breakdown point:	not specified
Auto ignition point:	the product is not self igniting
Explosive properties:	the product is not explosive, but formation of explosive air/vapour mixtures is possible
Explosion limits:	
Bottom:	0.6 Vol %
Top:	7 Vol %
Vapour pressure at 20 °C:	3 hPa
Vapour pressure at 50 °C:	13 hPa
Density at 20°C:	0.87 g/cm ³ (DIN 51757)
relative density	not specified
vapour density	not specified
Evaporation rate	not specified
Solubility in/miscibility with water:	not miscible or difficult to mix
n-octanol/water partition coefficient:	not specified
Viscosity:	
Dynamic:	not specified
Kinematic at 20°C:	30 s (DIN 53211/4)
Solvent content:	
Organic solvents:	48.7%.
Solids content	50.2 % (DIN 53216)

9.2 Other information

No further relevant data available.

VOC (EU):	48.72 %
VOC (EU):	423.9 g/l
VOV - Regulation (VOCV):	48.72 %

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant data available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided:
no decomposition when used as intended.

10.3. Possibility of hazardous reactions

Hazardous reactions unknown.

10.4. Conditions to be avoided

No further relevant data available.

10.5. Incompatible materials

No further relevant data available.

10.6. Hazardous decomposition products

Carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

a) Acute toxicity

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Assessment)

Oral	LD50	228.269-532.500 mg/kg (rat)
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CAS: 64742- 48- 9 Naphtha, (petroleum), hydrotreated heavy

Oral	LD50	> 5.000 mg/kg (rat)
Dermal	LD50	>5.000 mg/kg (rabbit)
Inhalation	LC50/4h	>4.951 mg/l (rat)

CAS: 64742- 48- 9 Naphtha, (petroleum), hydrotreated heavy

Oral	LD50	> 5.000 mg/kg (rat)
Dermal	LD50	>3.000 mg/kg (rat)

CAS: 67-56-1 Methanol

Oral	LD50	1.187-2.769 mg/kg (rat)
		13.000 mg/kg (rat)
Dermal	LD50	15.800- 17.100 mg/kg (rabbit)
Inhalation	LC50/4h	128.2 mg/l (rat)
	LC50/96h	15.400 mg/l (<i>Lepomis Macrochirus</i>)

b) Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

c) Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

d) Allergic effect on airways or skin:

Based on available data, the classification criteria are not met.

e) Additional toxicological information:

No further relevant data available.

f) Mutagenic effect on germ cells:

Based on available data, the classification criteria are not met.

G) Carcinogenicity:

Based on available data, the classification criteria are not met.

h) Reproduction toxicity:

Based on available data, the classification criteria are not met.

g) STOT- single exposure:

May cause drowsiness or dizziness.

h) STOT- repeated exposure:

Based on available data, the classification criteria are not met.

k) Aspiration hazard:

Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity

CAS: 67-56-1 Methanol

EC50/48 h >10,000 mg/l (*Daphnia magna*)

EC50/96 h 22,000 mg/L (Algae)

12.2. Persistence and degradability

No further relevant data available.

12.3. Bioaccumulative potential

No further relevant data available.

12.4. Mobility in soil

No further relevant data available.

Further ecological information (general information):

Water hazard class 1 (German regulation) (Self-assessment): slightly hazardous to water

Do not allow the product to reach ground water, watercourses or sewage system.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other hazardous effects

No further relevant data available.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation:

Must not be disposed of with municipal waste. Do not allow the product to reach sewage system.

Dispose of as harmful waste.

European waste catalogue:

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

HP 3 Flammable.

HP 5 Specific Target Organ Toxicity (STOT) / Aspiration toxicity.

Contaminated packaging:

Recommendation: Dispose of according to applicable regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number:

ADR/RID/ADN, IMDG, IATA

UN1139

14.2. UN proper shipping name

ADR/RID/ADN 1139 COATING SOLUTION

IMDG, IATA COATING SOLUTION

14.3. Transport hazard class (-es)

ADR/RID/ADN, IMDG, IATA



Class 3 Flammable liquids.

Label 3

14.4. Packaging group

ADR/RID/ADN, IMDG, IATA

III

14.5. Environmental hazards:

Marine pollutants: No.

14.6. Special precautions for users

Warning: Flammable liquids.

Danger code (Kemler): 30

EMS number: F-E,S-E

Stowage Category A

14.7. Transport in bulk according to Annex II of MARPOL 73/78 Convention and the IBC Code

Not applicable.

Transport/Additional information: ADR / IMDG transport classification depending on packaging

>30ltr(IMDG), <450ltr(ADR).

A different classification may apply for other packing units.

ADR/RID/ADN

Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category 3

Tunnel restriction code D/E

IMDG

Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN 'Model Regulation': UN 1139 COATING SOLUTION , 3 , III,

Other information

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Classification according to the Regulation (EC) no 1272/2008:

The product has been classified and labelled according to CLP regulation.

Hazard pictograms:



GHS02 GHS07

Signal word: Warning.

Label elements specifying the type of hazard:

Naphtha, (petroleum), hydrotreated heavy.

Naphtha, (petroleum), hydrotreated heavy.

Distillates (petroleum) hydrotreated light.

Hazard statement

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary statements

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

P243 Take precautionary measures against static discharge.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.

P403+P233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Directive 2012/18/EU

Named dangerous substances: ANNEX I: None of the components is listed.

Seveso category P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 5000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t

Regulation (EC) no 1907/2006 ANNEX XVII Restriction conditions: 3, 40

National regulations:

Technical instructions (air):

Share %

I 0,5

NK 48.2

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous to water.

15.2. Chemical safety assessment:

Chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, it does not definitively define the production characteristics and cannot be used as a justification for valid contracts.

Relevant phrases

H225 Flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H370 Causes damage to organs.

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Explanation of abbreviations and acronyms:

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Derived No-Effect Level (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bio-accumulative and toxic
vPvB:	very Persistent and very Bio-accumulative
Flam. Liq. 2	Flammable liquids – Category 2
Flam. Liq. 3:	Flammable liquids – Category 3
Acute Tox. 3:	Acute toxicity – Category 3
Skin Sens. 1B:	Allergic skin reaction - Category 1B
STOT SE 1:	Specific target organ toxicity (single exposure) – Category 1
STOT SE 3:	Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1:	Aspiration hazard – Category 1

Changes compared to the previous sheet:
Sections 1.1, 16 and general update.

Material Safety Data Sheet number: 03-1N2L-1220-V2