ML ANTI-CORROSION INSIDE COAT

SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACURER/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
No further relevant information available.

· **Application of the substance / the mixture** Anticorrosion additive

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
RANAL Sp. z o.o.
Ul. Łódzka 3
42-240 Rudniki k/Częstochowy
Tel: +48 34 329 45 03
Fax:+48 34 320-12-16

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

1.4. Emergency telephone
Tel: +48 34 329 45 03 (from 8.00am till 03.00pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
GHS02
Flam. Liq. 3 H226 Flammable liquid and vapour.
GHS08
STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.
GHS09
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
GHS07
STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
Hazard pictograms
GHS02 GHS07 GHS08 GHS09
Signal word Danger
Hazard-determining components of labelling:
Naphtha (petroleum), hydrodesulfurized heavy
Naphtha (petroleum), hydrotreated heavy
Hazard statements
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection.
P312 Call a POISON CENTER/doctor if you feel unwell.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
Additional information:
EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards
The petroleum naphtha / petroleum distillate / lubricating oil meet the requirements for not being 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 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with additions.
Dangerous components:
CAS: 64742-82-1
EC number: 919-446-0
Reg.nr.: 01-2119458049-33
Naphtha (petroleum), hydrodesulfurized heavy
Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304;
Aquatic Chronic 2, H411; STOT SE 3, H336
25-<50%
CAS: 64742-48-9
EC number: 919-857-5
Reg.nr.: 01-2119463258-33
Naphtha (petroleum), hydrotreated heavy
Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336
1-<3%
Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
After inhalation: Supply fresh air or oxygen; call for doctor.
After skin contact: If skin irritation continues, consult a doctor.
After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed
Disorientation
Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for fire-fighters
Protective equipment: Mount respiratory protective device.
Additional information Cool endangered receptacles with water spray.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin, eyes and clothes.

6.2 Environmental precautions:
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure 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 disposal information.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1 Precautions for safe handling Use only in well ventilated areas.
Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep container tightly sealed.

7.3 Specific end use(s) No further relevant information available.

Additional information about design of technical facilities: No further data; see item 7.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
DNELs
CAS: 64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy
Oral Long-term - systemic effects, general population 26 mg/kg bw/day (General Population)
Dermal Long-term - systemic effects, worker 44 mg/kg bw/day (Worker)
Long-term - systemic effects, general population 26 mg/kg bw/day (General population)
Inhalative Long-term - systemic effects, worker 330 mg/m3 (Worker)
Long-term - systemic effects, general population 71 mg/m3 (General Population)
CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy
Oral Long-term - systemic effects, general population 125 mg/kg bw/day (General Population)
Dermal Long-term - systemic effects, worker 208 mg/kg bw/day (Worker)
Long-term - systemic effects, general population 125 mg/kg bw/day (General population)
Inhalative Long-term - systemic effects, worker 871 mg/m3 (Worker)
Long-term - systemic effects, general population 185 mg/m3 (General Population)
Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:

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General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Respiratory protection:
Filter A
Protection of hands:
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 of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the
application.
Nitrile rubber
Recommended thickness of the material: ☐ 0,12 mm
Penetration time of glove material
> 480 min.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:
Tightly sealed goggles
Body protection: Use protective suit.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information
Appearance:
Form: Fluid
Colour: Brown
Odour: Characteristic
Odour threshold: Not determined.
pH-value: Not determined.
Change in condition
Melting point/freezing point: Undetermined.
Initial boiling point and boiling range: >100 °C
Flash point: >30 °C (DIN 53213)
Flammability (solid, gas): Not applicable.
Ignition temperature: >200 °C
Decomposition temperature: Not determined.
Auto-ignition temperature: Product is not selfigniting.
Explosive properties: Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
Explosion limits:
Lower: 0.6 Vol %
Upper: 7 Vol %
Vapour pressure At 20 °C: 27 hPa
Vapour pressure At 50 °C: 15 hPa
Density At 20 °C: 0.87 g/cm³ (DIN 51757)
Relative density Not determined.
Vapour density Not determined.
Evaporation rate Not determined.
Solubility in / Miscibility with water: Not miscible or difficult to mix.
Partition coefficient: n-octanol/water: Not determined.
Viscosity:
Dynamic: Not determined.
Kinematic At 20 °C: 30 s (DIN 53211/4)
Solvent content:
Organic solvents: 45.3 %
Solids content: 52.7 % (DIN 53216)

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9.2 Other information No further relevant information available.
VOC (EU): 45.27 %
VOC (EU): 393.9 g/l
VOCV: 45.27 %

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity No further relevant information available.

10.2 Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon monoxide

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity Based on available data, the classification criteria are not met.
LD/LC50 values relevant for classification:
CAS: 64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy
Oral LD50 >5,000 mg/kg (RAT)
Dermal LD50 3,400 mg/kg (RABBIT)
CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy
Oral LD50 >5,000 mg/kg (RAT)
Dermal LD50 >5,000 mg/kg (RABBIT)
Inhalative LC50/4 h >4,951 mg/l (RAT)
Primary irritant effect:
Skin corrosion/irritation based on available data, the classification criteria are not met.
Serious eye damage/irritation Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
Additional toxicological information: No further relevant information available.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure
May cause drowsiness or dizziness.
STOT-repeated exposure
Causes damage to the central nervous system through prolonged or repeated exposure.
Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
Aquatic toxicity:
CAS: 64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy
EC50/48 h 10-22 mg/l (DAPHNIA MAGNA)
EC50/72 h 4.6-10 mg/l (ALGAE)
EC50/96 h 10-30 mg/L (Fish)
12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
Ecotoxical effects:
Remark: Toxic for fish
Additional ecological information:
General notes:
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Other adverse effects No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Dispose of as dangerous waste.
European waste catalogue
08 01 11* waste paint and varnish containing organic solvents or other hazardous substances
HP 3 Flammable
HP 5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 14 Ecotoxic
Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

4.1 UN-Number
ADR/RID/ADN, IMDG, IATA UN1139

14.2 UN proper shipping name
ADR/RID/ADN 1139 COATING SOLUTION, ENVIRONMENTALLY HAZARDOUS
IMDG COATING SOLUTION (TURPENTINE SUBSTITUTE), MARINE POLLUTANT
IATA COATING SOLUTION

14.3 Transport hazard class(es)
ADR/RID/ADN, IMDG
Class 3 Flammable liquids.
Label 3
IATA
Class 3 Flammable liquids.
Label 3

14.4 Packing group
ADR/RID/ADN, IMDG, IATA III

14.5 Environmental hazards: Product contains environmentally hazardous substances:
Naphtha (petroleum), hydrodesulfurized heavy
Marine pollutant: Yes
Symbol (fish and tree)
Special marking (ADR/RID/ADN): Symbol (fish and tree)

14.6 Special precautions for user 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 and the IBC Code Not applicable.
Transport/Additional information: Tansport classification ADR/IMGD is based on packaging >30ltr(IMDG), <450ltr(ADR).
For other packaging untis different classification can apply.

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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 SOL U T I O N , 3 , I I I , ENVIRONMENTALLY HAZARDOUS

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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
Hazard pictograms
GHS02 GHS07 GHS08 GHS09
Signal word Danger
Hazard-determining components of labelling:
Naphtha (petroleum), hydrodesulfurized heavy
Naphtha (petroleum), hydrotreated heavy
Hazard statements
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection.
P312 Call a POISON CENTER/doctor if you feel unwell.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category
E2 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS
Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40
National regulations:
Technical instructions (air):
Class Share in %
NK 45.3
Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
*
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Relevant phrases
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

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Department issuing SDS: Przedsiębiorstwo RANAL Sp. Z o.o.
Contact: ranal@ranal.pl
Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
*** Data compared to the previous version altered.**