

RUBBER PROTEX PLUS

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

1.1. Product identification

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UFI: 4110-107M-R009-S9R9

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.

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1.4. Emergency telephone

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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.



GHS08

STOT RE 2, H373: May cause damage to organs through prolonged or repeated exposure.



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 light.

Naphtha, (petroleum), hydrotreated heavy.

Solvent naphtha (petroleum), light aromatic.

Solvent naphtha (petroleum), light aromatic.

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H373 May cause damage to central nervous system through prolonged or repeated exposure.

H412 Harmful to aquatic life with long-lasting effects.

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.

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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: 64742-49-0 EC number: 927-241-2 Reg.no: 01-2119471843-32	Naphtha, (petroleum), hydrotreated light Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336, Aquatic Chronic 3, H412	10-< 25%
CAS: 64742-82-1 EC number: 919-446-0 Reg.no: 01-2119458049-33	Naphtha (petroleum), hydrotreated heavy Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	5-< 10%
CAS: 64742-95-6 EC number: 918-668-5 Reg.no: 01-2119455851-35	Solvent naphtha (petroleum), light aromatic. Flam. Liq. 3, H226; Asp. Tox. 1; H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	5-< 10%
CAS: 64742-95-6 EC number: 918-668-5 Reg.no: 01-2119455851-35	Solvent naphtha (petroleum), light aromatic. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	5-< 10%
CAS: 108-32-7 EINECS: 203-572-1	Propylene carbonate Eye Irrit. 2, H319	1-< 3%

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

After inhalation: Provide access to fresh air or oxygen. Call a doctor.

Contact with skin: If irritation persists, consult a doctor.

Contact with eyes: Rinse opened eyes for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist, 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 fire fighters

Protective equipment: Respiratory protection.

Additional information: Additional information: Cool endangered containers with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

Use protective equipment.

Keep away people without protective equipment.

Avoid contact with skin ,eyes and clothing.

6.2 Environmental precautions

Prevent the product from entering sewers, ditches and cellars.

Inform the relevant authorities if the product enters watercourses or sewage system.

Prevent the product from entering surface and ground water.

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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.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

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:
The product does not contain significant amounts of materials with critical values that require monitoring in the workplace.

DNEL		
CAS: 64742- 49 -0 Naphtha (petroleum), hydrotreated, light		
Oral	Long-term systemic effect, general population	125 mg/kg bw/day (general population)
Skin	Long-term systemic effects, worker	208 mg/kg bw/day (worker)
	Long-term systemic effect, general population	125 mg/kg bw/day (general population)
Inhalation	Long-term systemic effects, worker	871 mg/m ³ (Worker)
	Long-term systemic effect, general population	185 mg/m ³ (general Population)
CAS: 64742- 82- 1 Naphtha, (petroleum), hydrotreated heavy		
Oral	Long-term systemic effect, general population	26 mg/kg bw/day (general population)
Skin	Long-term systemic effects, worker	44 mg/kg bw/day (worker)
	Long-term systemic effect, general population	26 mg/kg bw/day (general population)
Inhalation	Long-term systemic effects, worker	330 mg/m ³ (Worker)
	Long-term systemic effect, general population	71 mg/m ³ (general population)
CAS: 64742- 95- 6 Solvent naphtha (petroleum), light aromatic.		
Oral	Long-term systemic effect, general population	11 mg/kg bw/day (general population)
Skin	Long-term systemic effects, worker	25 mg/kg bw/day (worker)
	Long-term systemic effect, general population	11 mg/kg bw/day (general population)
Inhalation	Long-term systemic effects, worker	150 mg/m ³ (worker)
	Long-term systemic effect, general population	32 mg/m ³ (general population)
CAS: 64742- 95- 6 Solvent naphtha (petroleum), light aromatic.		
Oral	Long-term systemic effect, general population	11 mg/kg bw/day (general population)
Skin	Long-term systemic effects, worker	25 mg/kg bw/day (worker)
	Long-term systemic effect, general population	11 mg/kg bw/day (general population)
Inhalation	Long-term systemic effects, worker	150 mg/m ³ (worker)

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: Keep away from foodstuffs, beverages and feed. Wash hands before each break and at the end of work. Keep protective clothing separately.

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

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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: black.
Odour: characteristic
Odour threshold: not specified
pH: not specified

Change of state:

Melting / freezing point: not specified

Initial boiling point

and boiling range: 135°C

Flash point: 23°C (DIN 53213)

Flammability (solid, gas): Not applicable.

Flash point: $> 200^{\circ}\text{C}$

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: 5 hPa

Vapour pressure at 50 °C: 30 hPa

Density at 20°C: 1.03 g/cm³ (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 at 20°C: 3500 mPas*

Kinematic: not specified

Solvent content:

Organic solvents: 41.9%.

Solids content 0.1 % (DIN 53216)

9.2 Other information

No further relevant data available.

VOC (EU): 41.89 %

VOC (EU): 431.4 g/l

VOV - Regulation (VOCV): 41.89 %

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.

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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:

CAS: 64742- 49 -0 Naphtha (petroleum), hydrotreated light

Oral LD50 4951 mg/kg (rat)*

Dermal LD50 >5000 mg/kg (rabbit)*

Inhalation LC50/4h 4951 mg/l (rat)*

CAS: 64742- 82- 1 Naphtha, (petroleum), hydrotreated heavy

Oral LD50 > 5000 mg/kg (rat)*

Dermal LD50 3400 mg/kg (rabbit)*

CAS: 64742- 95- 6 Solvent naphtha (petroleum), light aromatic.

Oral LD50 3492 mg/kg (rat)*

Dermal LD50 > 3160 mg/kg (rabbit)*

Inhalation LC50/4h > 6193 mg/l (rat)*

CAS: 64742- 95- 6 Solvent naphtha (petroleum), light aromatic.

Dermal LD50 > 2000 mg/kg (rabbit)*

CAS: 108-32-7 Propylene carbonate

Oral LD50 > 5000 mg/kg (rat)*

Dermal LD50 > 2000 mg/kg (rabbit)*

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:

May cause damage to organs through prolonged or repeated exposure.

k) Aspiration hazard:

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

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity

CAS: 64742- 49 -0 Naphtha (petroleum), hydrotreated light

EL50/48 h > 22-< 46 mg/l (*Daphnia magna*)

EL50/ 72 h >1000 mg/l *(algae)

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CAS: 64742- 82- 1 Naphtha, (petroleum), hydrotreated 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)

CAS: 64742- 95- 6 Solvent naphtha (petroleum), light aromatic.

LL50/96 h 9.2 mg/l * (*Salmo Gairdneri* / *Oncorhynchus mykiss*)
EC50/48 h 7.4 mg/l * (*Daphnia magna*)
EL50/48 h 3.2 mg/l * (*Daphnia magna*)
EL50/72 h 2.9 mg/l * (*Selenastrum Capricornutum*)

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.

Ecotoxic effects:

Warning: Hazardous for fish.

Additional ecological information:

General notes:

Water hazard class 2 (German regulation) (Self-assessment): hazardous to water.

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

Danger to drinking water, if even small quantities leak into the ground.

Poisonous to aquatic life.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other hazardous effects

No further relevant data available.

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.

HP 14 Ecotoxic

Contaminated packaging:

Recommendation: Dispose of according to applicable regulations.

SECTION 14: TRANSPORT INFORMATION

4.1. UN number:

ADR/RID/AND, void
Void according to 2.2.3.1.5
ADN Void according to 2.2.3.1.5
IMDG, IATA UN 1139

14.2. UN proper shipping name

ADR/RID/ADN, ADN Void
IMDG, IATA COATING SOLUTION

14.3 Transport hazard class (-es)

ADR/RID/ADN,

Class Void

IMDG, IATA



Class 3 Flammable liquids.

Label 3

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14.4 Packaging group

ADR/RID/AND void
IMDG, IATA III

14.5 Environmental hazards:

Marine pollutants: No.

14.6. Special precautions for users

Not applicable.

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: Transport classification ADR/IMDG depending on packaging >30l(IMDG), <450l(ADR).
A different classification may apply for other packing units.

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": Void

Tunnel restriction code D/E

Other information:

N/A

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 GHS08

Signal word: **Warning.**

Label elements specifying the type of hazard:

Naphtha, (petroleum), hydrotreated light.

Naphtha, (petroleum), hydrotreated heavy.

Solvent naphtha (petroleum), light aromatic.

Solvent naphtha (petroleum), light aromatic.

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H373 May cause damage to central nervous system through prolonged or repeated exposure.

H412 Harmful to aquatic life with long-lasting effects.

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: 50000 t

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

National regulations:

Technical instructions (air):

Share in %: NK 41.9*

Water hazard class: Water hazard class 2 (Self-assessment): 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:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H372 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long-lasting effects.

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, cat. 2
Flam. Liq. 3:	Flammable liquids, cat. 3
Acute Tox. 3:	Acute toxicity, cat. 3.
Skin Sens. 1B:	Allergic skin reaction, cat. 1B.
STOT SE 1:	Specific target organ toxicity (single exposure), cat. 1.
STOT SE 3:	Specific target organ toxicity (single exposure), cat. 3.
Asp. Tox. 1:	Aspiration hazard, cat. 1

Changes in the Sheet compared to the previous version: sections 9.1, 11.1, 12.1, 15.1, 16 and general update.

Material Safety Data Sheet number: 03-1N2L-1222-V3.