

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 23.01.2018

Version number 66

Revision: 23.01.2018

**1 Identification of the substance/mixture and of the company/undertaking**· **Product identifier**· **Trade name:** Unterbodenschutz Spritzware· **Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture** Protective coating· **Details of the supplier of the safety data sheet**· **Manufacturer/Supplier:**

MIPA SE

Am Oberen Moos 1

D-84051 Essenbach

Tel.: +49(0)8703-922-0

Fax.: +49(0)8703-922-100

e-mail: [sdb-registratur@mipa-paints.com](mailto:sdb-registratur@mipa-paints.com)[www.mipa-paints.com](http://www.mipa-paints.com)**RJP Performance Coatings**

18 Innovation Road,

Islington,

Christchurch, New Zealand

Phone: 03 379 9176

Email: [sales@raj.co.nz](mailto:sales@raj.co.nz)**24hr Emergency Assistance in New Zealand**

National Poison Control Centre: 0800 POISON [764 766]

**2 Hazards identification**· **Classification of the substance or mixture**

flame

Flam. Liq. 3

H226 Flammable liquid and vapour.



health hazard

STOT RE 2

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



STOT SE 3

H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· **Label elements**· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**

GHS02



GHS07



GHS08

· **Signal word** Warning· **Hazard-determining components of labelling:**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

· **Hazard statements**

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

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

H412 Harmful to aquatic life with long lasting effects.

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**· Precautionary statements**

- P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P103 Read label before use.  
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 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/shower.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Other hazards****· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.  
 · **vPvB:** Not applicable.

## 3 Composition/information on ingredients

**· Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

**· Dangerous components:**

	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics 	10-25%
64742-95-6	Hydrocarbons, C9, aromatics 	≥10-≤12.5%
64742-82-1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) 	2.5-10%
108-32-7	propylene carbonate 	2.5-10%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

## 4 First aid measures

**· Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.  
 · **After skin contact:** Immediately wash with water and soap and rinse thoroughly.  
 · **After eye contact:** Rinse opened eye for several minutes under running water.  
 · **After swallowing:** If symptoms persist consult doctor.

**· Information for doctor:****· Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5 Firefighting measures

**· Extinguishing media**

- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.  
 · **For safety reasons unsuitable extinguishing agents:** Water with full jet  
 · **Special hazards arising from the substance or mixture** No further relevant information available.

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- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **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.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **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:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.

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**· Respiratory protection:**

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

**· Protection of hands:**

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*



*Protective gloves (EN 374)*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

**· Material of gloves**

*Nitrile rubber, NBR*

*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 can not be calculated in advance and has therefore to be checked prior to the application.*

**· Breakthrough time of glove material**

*The exact break through 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.****9 Physical and chemical properties****· Information on basic physical and chemical properties****· General Information****· Appearance:**

**Form:**

*Fluid*

**Colour:**

*According to product specification*

**· Odour:**

*Characteristic*

**· Odour threshold:**

*Not determined.*

**· pH-value:**

*Not determined.*

**· Change in condition**

**Melting point/freezing point:**

*Undetermined.*

**Initial boiling point and boiling range:** 141°C

**· Flash point:**

*24°C (DIN 53213)*

**· Flammability (solid, gas):**

*Not applicable.*

**· Ignition temperature:**

*450°C (DIN 51794)*

**· Decomposition temperature:**

*Not determined.*

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· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	7.5 Vol %
· <b>Vapour pressure at 20°C:</b>	2 hPa
· <b>Density at 20°C:</b>	1.026 g/cm <sup>3</sup> (DIN 53217)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic at 20°C:</b>	3,500 mPas
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>VOC (EC)</b>	40.90 %
<b>Solids content (weight-%):</b>	59.1 %
· <b>Other information</b>	No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide

**11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values relevant for classification:****64742-95-6 Hydrocarbons, C9, aromatics**

Oral LD50 &gt;2,000 mg/kg (rat)

Dermal LD50 &gt;2,000 mg/kg (rab)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.

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## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxical effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) : hazardous for water  
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.  
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |   |                           |
|---|---------------------------|
| · <b>UN-Number</b>  | UN1139                    |
| · <b>ADR, IMDG, IATA</b>  |                           |
| · <b>UN proper shipping name</b>  | UN1139 COATING SOLUTION   |
| · <b>ADR</b>  | COATING SOLUTION          |
| · <b>IMDG, IATA</b>   |                           |
| · <b>Transport hazard class(es)</b>   |                           |
| · <b>ADR</b>  |                           |
|  |                           |
| · <b>Class</b>  | 3 (F1) Flammable liquids. |
| · <b>Label</b>  | 3                         |
| · <b>IMDG, IATA</b>   |                           |
|  |                           |
| · <b>Class</b>  | 3 Flammable liquids.      |

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· <b>Label</b>	3
· <b>Packing group</b>	
· <b>ADR, IMDG, IATA</b>	III
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Warning: Flammable liquids.
· <b>Danger code (Kemler):</b>	30
· <b>EMS Number:</b>	F-E, S-E
· <b>Stowage Category</b>	A
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>UN "Model Regulation":</b>	UN 1139 COATING SOLUTION, 3, III

**15 Regulatory information**· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **New Zealand Inventory of Chemicals**

64742-95-6	Hydrocarbons, C9, aromatics
64742-82-1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
108-32-7	propylene carbonate

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**

GHS02   GHS07   GHS08

· **Signal word** Warning· **Hazard-determining components of labelling:**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

· **Hazard statements**

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

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

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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- 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/shower.  
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 P5c FLAMMABLE LIQUIDS**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **National regulations:**

Class	Share in %
NK	25-50

- **Other regulations, limitations and prohibitive regulations**  
Surface Coatings and Colourants (Flammable) Group Standard 2006  
HSNO Approval Number: The HSNO Approval Number for this Group Standard is HSR002662.  
Refer also to the Site & Storage requirements document.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

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.  
H303 May be harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H313 May be harmful in contact with skin.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H402 Harmful to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.
- **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  
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)  
VOC: Volatile Organic Compounds (USA, EU)  
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  
Acute Tox. 5: Acute toxicity – Category 5  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

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*STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2*

*Asp. Tox. 1: Aspiration hazard – Category 1*

*Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3*

*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*

*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

· **\* Data compared to the previous version altered.**

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