Safety Data Sheet

in accordance with HSNO

Date of issue: 24.06.2026 *Version number 9* *Revision: 24.06.2026*

1 Identification of the substance or mixture and of the supplier

· ***Other means of identification***

· ***Trade name: Rosner Metallic Beize***

· ***Relevant identified uses of the substance or mixture and uses advised against***
No further relevant information available.

· ***Application of the substance / the mixture*** *Stain*

· ***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
www.mipa-paints.com
www.rosner-international.com

Importer in New Zealand:
RJP Performance Coatings
(RA Johnstone & Co Ltd)
33 Ha Crescent, Wiri
Auckland 2104
Phone: 09 25000 91
Email: sales@mipa.nz
Web: www.mipa.nz

24HR Emergency Assistance in New Zealand:
National Poisons Centre: 0800 POISON [764 766]

· ***Emergency telephone number:*** *International emergency number: +49(0)700 24112112 (MIP)*

2 Hazards identification

· ***Classification of the substance or mixture***



GHS08 health hazard

Reproductive toxicity Category 2 H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral.

· ***Label elements***

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

· ***Hazard pictograms***



GHS08

· ***Signal word*** *Warning*

· ***Hazard-determining components of labelling:***
4-hydroxy-4-methylpentan-2-one

· ***Hazard statements***
H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral.

· ***Precautionary statements***
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
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*

(Contd. on page 2)

Safety Data Sheet
in accordance with HSNO

Date of issue: 24.06.2026 *Version number 9* *Revision: 24.06.2026*

Trade name: Rosner Metallic Beize

(Contd. of page 1)

· ***vPvB:*** *Not applicable*

3 Composition/Information on ingredients

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

· ***Dangerous components:***

107-98-2	*1-methoxy-2-propanol* *Flammable liquids Category 3, H226; Specific target organ toxicity - single exposure Category 3, H336*	*2.5-<10%*
111-76-2	*2-butoxyethanol* *Acute inhalation toxicity Category 3, H331; Acute oral toxicity Category 4, H302; Skin irritation Category 2, H315; Eye irritation Category 2, H319; Flammable liquids Category 4, H227*	*<2.5%*
7429-90-5	*aluminium* *Pyrophoric solids Category 1, H250; Substances and mixtures which, in contact with water, emit flammable gases Category 2, H261*	*<2.5%*
123-42-2	*4-hydroxy-4-methylpentan-2-one* *Flammable liquids Category 3, H226; Reproductive toxicity Category 2, H361; Eye irritation Category 2, H319; Specific target organ toxicity - single exposure Category 3, H335*	*<1%*
108-01-0	*2-dimethylaminoethanol* *Flammable liquids Category 3, H226; Acute inhalation toxicity Category 3, H331; Skin corrosion Category 1B, H314; Serious eye damage Category 1, H318; Acute oral toxicity Category 4, H302; Acute dermal toxicity Category 4, H312; Specific target organ toxicity - single exposure Category 3, H335*	*<1%*
126-86-3	*2,4,7,9-tetramethyldec-5-yne-4,7-diol* *Serious eye damage Category 1, H318; Skin sensitisation Sub-category 1B, H317*	*≥0.1-<1%*

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

4 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. If symptoms persist, consult a doctor.
· ***After swallowing:*** *If symptoms persist consult doctor.*
· ***Information for doctor:***
· ***Most important symptoms and effects, both acute and delayed*** *No further relevant information available.*
· ***Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

5 Fire fighting measures

· ***Suitable extinguishing agents:*** *Use fire extinguishing methods suitable to surrounding conditions.*
· ***Special hazards arising from the substance or mixture*** *No further relevant information available.*
· ***Protective equipment:*** *No special measures required.*

(Contd. on page 3)

Safety Data Sheet
in accordance with HSNO

Date of issue: 24.06.2026 *Version number 9* *Revision: 24.06.2026*

Trade name: Rosner Metallic Beize

(Contd. of page 2)

*
6 Accidental release measures

· ***Personal precautions, protective equipment and emergency procedures***
Wear protective equipment. Keep unprotected persons away.
· ***Environmental precautions:***
Dilute with plenty of water.
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).
Dispose contaminated material as waste according to section 13.
· ***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*** *Open and handle receptacle with care.*
· ***Information about fire - and explosion protection:*** *Keep respiratory protective device available.*
· ***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:***
Protect from frost.
Keep container tightly sealed.
· ***Storage class:*** *12*
· ***Specific end use(s)*** *No further relevant information available.*

*
8 Exposure controls/personal protection

· ***Appropriate engineering controls*** *No further data; see section 7.*

· **Ingredients with limit values that require monitoring at the workplace:**	
107-98-2 1-methoxy-2-propanol	
WES (New Zealand)	Short-term value: 553 mg/m³, 150 ppm Long-term value: 369 mg/m³, 100 ppm
IOELV (EU)	Short-term value: 568 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Skin
111-76-2 2-butoxyethanol	
WES (New Zealand)	Short-term value: 98 mg/m³, 20 ppm Long-term value: 49 mg/m³, 10 ppm skin
IOELV (EU)	Short-term value: 246 mg/m³, 50 ppm Long-term value: 98 mg/m³, 20 ppm Skin
123-42-2 4-hydroxy-4-methylpentan-2-one	
WES (New Zealand)	Long-term value: 238 mg/m³, 50 ppm

(Contd. on page 4)

Safety Data Sheet
in accordance with HSNO

Date of issue: 24.06.2026 *Version number 9* *Revision: 24.06.2026*

Trade name: Rosner Metallic Beize

(Contd. of page 3)

108-01-0 2-dimethylaminoethanol	
WES (New Zealand)	*Short-term value: 22 mg/m³, 6 ppm* *Long-term value: 7.4 mg/m³, 2 ppm*

· ***Additional information:*** *The lists valid during the making were used as basis.*
· ***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.
Store protective clothing separately.
· ***Respiratory protection:*** *Use suitable respiratory protective device only when aerosol or mist is formed.*
· ***Protection of hands:***
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
· ***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 can not be calculated in advance and has therefore to be checked prior to the application.
· ***Breakthrough time of glove material***
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· ***Eye protection:*** *Goggles recommended during refilling*

*

9 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:***	*100 °C*
· ***Flash point:***	*Not applicable*
· ***Flammability***	*Not applicable*
· ***Decomposition temperature:***	*Not determined*
· ***Ignition temperature:***	*Product is not selfigniting.*
· ***Explosive properties:***	*Product does not present an explosion hazard.*
· ***Explosion limits:***	
· ***Lower:***	*Not determined*
· ***Upper:***	*Not determined*
· ***Vapour pressure at 20 °C:***	*23 hPa*
· ***Density at 20 °C:***	*1.021 g/cm³ (DIN EN ISO 2811-1)*
· ***Relative density***	*Not determined*
· ***Vapour density***	*Not determined*

(Contd. on page 5)

Safety Data Sheet
in accordance with HSNO

Date of issue: 24.06.2026 *Version number 9* *Revision: 24.06.2026*

Trade name: Rosner Metallic Beize

(Contd. of page 4)

· ***Evaporation rate***	*Not determined*
· ***Solubility in / Miscibility with***	
· ***water:***	*Fully miscible.*
· ***Partition coefficient: n-octanol/water:***	*Not determined*
· ***Viscosity:***	
· ***Dynamic:***	*Not determined*
· ***Kinematic:***	*Not determined*
· ***Solvent content:***	
· ***VOC (EC)***	*7.24 %*
· ***Solids content (weight-%):***	*8.6 %*
· ***Other information***	
· ***Particle characteristics***	*Not applicable*
· ***Physical state***	*Liquid*

10 Stability and reactivity

· ***Reactivity*** *No further relevant information available.*
· ***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*** *Based on available data, the classification criteria are not met.*

· ***LD/LC50 values relevant for classification:***		
107-98-2 1-methoxy-2-propanol		
Dermal	*LD50*	*13,000 mg/kg (rabbit)*
111-76-2 2-butoxyethanol		
Oral	*LD50*	*1,200 mg/kg (ATE)*
		1,746 mg/kg (rat)
Dermal	*LD50*	*2,270 mg/kg (rabbit)*
Inhalative	*LC50/4 h*	*3 mg/l (ATE)*
		mg/l (rat)
123-42-2 4-hydroxy-4-methylpentan-2-one		
Oral	*LD50*	*4,000 mg/kg (rat)*
Dermal	*LD50*	*13,630 mg/kg (rab)*
108-01-0 2-dimethylaminoethanol		
Oral	*LD50*	*1,183 mg/kg (rat)*
Dermal	*LD50*	*1,219 mg/kg (rabbit)*
Inhalative	*LC50/4 h*	*6.1 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.*
· ***Germ cell mutagenicity*** *Based on available data, the classification criteria are not met.*

(Contd. on page 6)

Safety Data Sheet
in accordance with HSNO

Date of issue: 24.06.2026 *Version number 9* *Revision: 24.06.2026*

Trade name: Rosner Metallic Beize

(Contd. of page 5)

· ***Carcinogenicity*** *Based on available data, the classification criteria are not met.*
· ***Reproductive toxicity*** *Suspected of damaging fertility or the unborn child. Route of exposure: Oral.*
· ***STOT-single exposure*** *Based on available data, the classification criteria are not met.*
· ***STOT-repeated exposure*** *Based on available data, the classification criteria are not met.*
· ***Aspiration hazard*** *Based on available data, the classification criteria are not met.*

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.*
· ***Additional ecological information:***
· ***General notes:***
Water hazard class 1 (German Regulation) : slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· ***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:***
Packagings that may not be cleansed are to be disposed of in the same manner as the product.
· ***Recommended cleansing agents:*** *Water, if necessary together with cleansing agents.*

14 Transport information

· ***UN-Number***	
· ***NZS/RID/ADN, IMDG, IATA***	*Void*
· ***UN proper shipping name***	
· ***NZS/RID/ADN, IMDG, IATA***	*Void*
· ***Transport hazard class(es)***	
· ***NZS/RID/ADN, ADN, IMDG, IATA***	
· ***Class***	*Void*
· ***Packing group***	
· ***NZS/RID/ADN, IMDG, IATA***	*Void*
· ***Environmental hazards:***	*Not applicable*
· ***Special precautions for user***	*Not applicable*

(Contd. on page 7)

Safety Data Sheet
in accordance with HSNO

Date of issue: 24.06.2026 *Version number 9* *Revision: 24.06.2026*

Trade name: Rosner Metallic Beize

(Contd. of page 6)

· ***Transport in bulk according to Annex II of Marpol and the IBC Code***	*Not applicable*
· ***UN "Model Regulation":***	*Void*

*
15 Regulatory information

· ***Safety, health and environmental regulations/legislation specific for the substance or mixture***

· ***HSNO Approval numbers***		
107-98-2	*1-methoxy-2-propanol*	*HSR001187*
111-76-2	*2-butoxyethanol*	*HSR001154*
123-42-2	*4-hydroxy-4-methylpentan-2-one*	*HSR001120*

· ***GHS label elements***
The product is classified and labelled according to the Globally Harmonised System (GHS).
· ***Hazard pictograms***



GHS08

· ***Signal word*** *Warning*

· ***Hazard-determining components of labelling:***
4-hydroxy-4-methylpentan-2-one
· ***Hazard statements***
H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral.
· ***Precautionary statements***
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
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.*

· ***National regulations:***
· ***Additional classification according to Decree on Hazardous Materials, Annex II:***

Class	***Share in %***
I	*<2.5*
NK	*2.5-<10*

NEW ZEALAND:
HSR002670 Surface Coatings and Colourants (Subsidiary Hazard)

· ***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.

(Contd. on page 8)

Safety Data Sheet
in accordance with HSNO

Date of issue: 24.06.2026 *Version number 9* *Revision: 24.06.2026*

Trade name: Rosner Metallic Beize

(Contd. of page 7)

H227 Combustible liquid.
H250 Catches fire spontaneously if exposed to air.
H261 In contact with water releases flammable gas.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.

· ***Contact:***

· ***Abbreviations and acronyms:***
ADR: Accord relatif au transport international 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
Flammable liquids Category 3: Flammable liquids – Category 3
Flammable liquids Category 4: Flammable liquids – Category 4
Pyrophoric solids Category 1: Pyrophoric solids – Category 1
Substances and mixtures which, in contact with water, emit flammable gases Category 2: Substances and mixtures which in contact with water emit flammable gases – Category 2
Acute oral toxicity Category 4: Acute toxicity – Category 4
Acute inhalation toxicity Category 3: Acute toxicity – Category 3
Skin corrosion Category 1B: Skin corrosion/irritation – Category 1B
Skin irritation Category 2: Skin corrosion/irritation – Category 2
Serious eye damage Category 1: Serious eye damage/eye irritation – Category 1
Eye irritation Category 2: Serious eye damage/eye irritation – Category 2
Skin sensitisation Sub-category 1B: Skin sensitisation – Category 1B
Reproductive toxicity Category 2: Reproductive toxicity – Category 2
Specific target organ toxicity - single exposure Category 3: Specific target organ toxicity (single exposure) – Category 3

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