Safety Data Sheet

in accordance with HSNO

Date of issue: 06.05.2026 *Version number 29* *Revision: 06.05.2026*

1 Identification of the substance or mixture and of the supplier

· ***Other means of identification***

· ***Trade name: Rosner HydRo Härter***

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

· ***Application of the substance / the mixture*** *Hardening agent/ Curing agent*

· ***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***



GHS02 flame

Flammable liquids Category 3	*H226 Flammable liquid and vapour.*



GHS07

Acute inhalation toxicity Category 4	*H332 Harmful if inhaled.*
Skin sensitisation Category 1	*H317 May cause an allergic skin reaction.*
Specific target organ toxicity - single exposure Category 3	*H335 May cause respiratory irritation.*
Hazardous to the aquatic environment chronic Category 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

· ***Signal word*** *Warning*

· ***Hazard-determining components of labelling:***
Hydrophiles, aliphatisches Polyisocyanat
2-Butoxyethyl acetate
Hydrocarbons, C9, aromatics

· ***Hazard statements***
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.

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H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H412 Harmful 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.*
P261	*Avoid breathing dust/fume/gas/mist/vapours/spray.*
P280	*Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.*
P303+P361+P353	*IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].*
P304+P340	*IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
P312	*Call a POISON CENTER/doctor if you feel unwell.*

· ***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:***

160994-68-3	*Hydrophiles, aliphatisches Polyisocyanat* *Acute inhalation toxicity Category 4, H332; Skin sensitisation Sub-category 1B, H317; Specific target organ toxicity - single exposure Category 3, H335; Hazardous to the aquatic environment chronic Category 3, H412*	*50-100%*
108-65-6	*2-Methoxy-1-methylethyl acetate* *Flammable liquids Category 3, H226; Specific target organ toxicity - single exposure Category 3, H336*	*10-25%*
64742-95-6	*Hydrocarbons, C9, aromatics* *Flammable liquids Category 3, H226; Aspiration hazard Category 1, H304; Hazardous to the aquatic environment chronic Category 2, H411; Specific target organ toxicity - single exposure Category 3, H335-H336*	*2.5-<5%*
112-07-2	*2-Butoxyethyl acetate* *Acute oral toxicity Category 4, H302; Acute dermal toxicity Category 4, H312; Acute inhalation toxicity Category 4, H332; Flammable liquids Category 4, H227*	*1-<2.5%*

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

*
4 First aid measures

· ***General information:***
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
· ***After inhalation:***
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
· ***After skin contact:*** *Immediately rinse with water.*
· ***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.*

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· ***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:***
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*
· ***Special hazards arising from the substance or mixture*** *No further relevant information available.*
· ***Protective equipment:*** *Mouth respiratory protective device.*

*
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).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· ***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.
· ***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

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

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· ***Ingredients with limit values that require monitoring at the workplace:***

108-65-6 2-Methoxy-1-methylethyl acetate

IOELV (EU)	*Short-term value: 550 mg/m³, 100 ppm* *Long-term value: 275 mg/m³, 50 ppm* *Skin*

112-07-2 2-Butoxyethyl acetate

IOELV (EU)	*Short-term value: 333 mg/m³, 50 ppm* *Long-term value: 133 mg/m³, 20 ppm* *Skin*

· ***DNELs***

112-07-2 2-Butoxyethyl acetate

Dermal	*DNEL*	*169 mg/kg (Arbeiter)*
Inhalative	*DNEL*	*133 mg/m³ (Arbeiter)*

· ***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.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
· ***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:***
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:***



Tightly sealed goggles

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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:**	146.4 °C
· **Flash point:**	45 °C (DIN EN ISO 1523:2002)
· **Flammability**	Flammable.
· **Auto-ignition temperature:**	315 °C (DIN 51794)
· **Decomposition temperature:**	Not determined.
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· **Explosion limits:**	
· **Lower:**	1.3 Vol %
· **Upper:**	10.8 Vol %
· **Vapour pressure at 20 °C:**	3.4 hPa
· **Density at 20 °C:**	1.114 g/cm³ (DIN EN ISO 2811-1)
· **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:**	60-70 s (DIN 53211/4)
· **Solvent content:**	
· **VOC (EC)**	18.10 %
· **Solids content (weight-%):**	81.9 %
· **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

NZ

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*
11 Toxicological information

· ***Information on toxicological effects***
· ***Acute toxicity*** *Harmful if inhaled.*

· ***LD/LC50 values relevant for classification:***		
108-65-6 2-Methoxy-1-methylethyl acetate		
Oral	*LD50*	*8,532 mg/kg (rat)*
64742-95-6 Hydrocarbons, C9, aromatics		
Oral	*LD50*	*>2,000 mg/kg (rat)*
Dermal	*LD50*	*>2,000 mg/kg (rabbit)*
112-07-2 2-Butoxyethyl acetate		
Oral	*LD50*	*1,880 mg/kg (rat)*
Dermal	*LD50*	*1,480 mg/kg (rabbit)*

· ***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*** *May cause an allergic skin reaction.*
· ***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 respiratory irritation.*
· ***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.*
· ***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.

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· ***Uncleaned packaging:***
· ***Recommendation:*** *Disposal must be made according to official regulations.*

14 Transport information

· ***UN-Number***	
· ***NZS/RID/ADN, IMDG, IATA***	*UN1263*
· ***UN proper shipping name***	
· ***NZS/RID/ADN***	*UN1263 PAINT RELATED MATERIAL*
· ***IMDG, IATA***	*PAINT RELATED MATERIAL*
· ***Transport hazard class(es)***	
· ***NZS/RID/ADN***	
	
· ***Class***	*3 (F1) Flammable liquids.*
· ***Label***	*3*
· ***IMDG, IATA***	
	
· ***Class***	*3 Flammable liquids.*
· ***Label***	*3*
· ***Packing group***	
· ***NZS/RID/ADN, IMDG, IATA***	*III*
· ***Environmental hazards:***	*Not applicable.*
· ***Special precautions for user***	*Warning: Flammable liquids.*
· ***Hazard identification number (Kemler code):***	*30*
· ***EMS Number:***	*F-E,S-E*
· ***Stowage Category***	*A*
· ***Transport in bulk according to Annex II of Marpol and the IBC Code***	*Not applicable.*
· ***Transport/Additional information:***	
· ***NZS/RID/ADN***	
· ***Limited quantities (LQ)***	*5L*
· ***Transport category***	*3*
· ***Tunnel restriction code***	*D/E*
· ***IMDG***	
· ***Limited quantities (LQ)***	*5L*
· ***UN "Model Regulation":***	*UN 1263 PAINT RELATED MATERIAL, 3, III*

NZ

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*
15 Regulatory information

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

· ***HSNO Approval numbers***		
112-07-2	*2-Butoxyethyl acetate*	*HSR001155*

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



GHS02 GHS07

· ***Signal word*** *Warning*

· ***Hazard-determining components of labelling:***
Hydrophiles, aliphatisches Polyisocyanat
2-Butoxyethyl acetate
Hydrocarbons, C9, aromatics
· ***Hazard statements***
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H412 Harmful 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.*
P261	*Avoid breathing dust/fume/gas/mist/vapours/spray.*
P280	*Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.*
P303+P361+P353	*IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].*
P304+P340	*IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
P312	*Call a POISON CENTER/doctor if you feel unwell.*

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

Class	***Share in %***
NK	*10-25*

NEW ZEALAND:
HSR002662 Surface Coatings and Colourants (Flammable)

· ***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.

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· ***Relevant phrases***
H226 Flammable liquid and vapour.
H227 Combustible liquid.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
· ***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)
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
Flammable liquids Category 3: Flammable liquids – Category 3
Flammable liquids Category 4: Flammable liquids – Category 4
Acute inhalation toxicity Category 4: Acute toxicity – Category 4
Skin sensitisation Category 1: Skin sensitisation – Category 1
Skin sensitisation Sub-category 1B: Skin sensitisation – Category 1B
Specific target organ toxicity - single exposure Category 3: Specific target organ toxicity (single exposure) – Category 3
Aspiration hazard Category 1: Aspiration hazard – Category 1
Hazardous to the aquatic environment chronic Category 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Hazardous to the aquatic environment chronic Category 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· **** Data compared to the previous version altered.***