Safety Data Sheet

in accordance with HSNO

Date of issue: 03.11.2026 *Version number 4* *Revision: 03.11.2026*

1 Identification of the substance or mixture and of the supplier

· ***Other means of identification***

· ***Trade name: Rosner RoCryl Lichtschutzadditiv***

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

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

· ***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.*



GHS08 health hazard

Reproductive toxicity Category 2 — *H361 Suspected of damaging fertility or the unborn child.*



GHS09 environment

Hazardous to the aquatic environment chronic Category 2 — *H411 Toxic to aquatic life with long lasting effects.*



GHS07

Skin sensitisation Category 1 — *H317 May cause an allergic skin reaction.*

Specific target organ toxicity - single exposure Category 3 — *H336 May cause drowsiness or dizziness.*

· ***Label elements***

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

· ***Hazard pictograms***



GHS02 GHS07 GHS08 GHS09

(Contd. on page 2)

Safety Data Sheet
in accordance with HSNO

Date of issue: 03.11.2026 *Version number 4* *Revision: 03.11.2026*

Trade name: Rosner RoCryl Lichtschutzadditiv

(Contd. of page 1)

· ***Signal word*** *Warning*

· ***Hazard-determining components of labelling:***
n-Butyl acetate
Reaction mass of pentamethyl-piperidylsebacate
2-Methoxy-1-methylethyl acetate
· ***Hazard statements***
H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H336 May cause drowsiness or dizziness.
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.*
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:***

123-86-4	*n-Butyl acetate* *Flammable liquids Category 3, H226; Specific target organ toxicity - single exposure Category 3, H336*	*50-100%*
127519-17-9	*A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates* *Hazardous to the aquatic environment chronic Category 2, H411*	*≥10-<25%*
1065336-91-5	*Reaction mass of pentamethyl-piperidylsebacate* *Reproductive toxicity Category 2, H361; Hazardous to the aquatic environment acute Category 1, H400; Hazardous to the aquatic environment chronic Category 1, H410; Skin sensitisation Sub-category 1A, H317*	*≥10-<25%*
108-65-6	*2-Methoxy-1-methylethyl acetate* *Flammable liquids Category 3, H226; Specific target organ toxicity - single exposure Category 3, H336*	*<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.*
· ***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.

(Contd. on page 3)

Safety Data Sheet
in accordance with HSNO

Date of issue: 03.11.2026 *Version number 4* *Revision: 03.11.2026*

Trade name: Rosner RoCryl Lichtschutzadditiv

(Contd. of page 2)

· ***After skin contact:*** *Immediately rinse with water.*
· ***After eye contact:*** *Rinse opened eye for several minutes under running water.*
· ***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:***
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:*** *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).
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.
Open and handle receptacle with care.
Prevent formation of aerosols.
· ***Information about fire - and explosion protection:***
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
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:*** *Keep container tightly sealed.*
· ***Storage class:*** *3*
· ***Specific end use(s)*** *No further relevant information available.*

(Contd. on page 4)

Safety Data Sheet
in accordance with HSNO

Date of issue: 03.11.2026 *Version number 4* *Revision: 03.11.2026*

Trade name: Rosner RoCryl Lichtschutzadditiv

(Contd. of page 3)

8 Exposure controls/personal protection

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

· ***Ingredients with limit values that require monitoring at the workplace:***	
123-86-4 n-Butyl acetate	
WES (New Zealand)	*Short-term value: 713 mg/m³, 150 ppm* *Long-term value: 238 mg/m³, 50 ppm*
IOELV (EU)	*Short-term value: 723 mg/m³, 150 ppm* *Long-term value: 241 mg/m³, 50 ppm*
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*

· ***DNELs***		
123-86-4 n-Butyl acetate		
Dermal	*DNEL*	*6 mg/kg (general population)* *11 mg/kg (Arbeiter)*
Inhalative	*DNEL*	*300 mg/m³ (general population)* *600 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.
Store protective clothing separately.
· ***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.

(Contd. on page 5)

Safety Data Sheet
in accordance with HSNO

Date of issue: 03.11.2026 *Version number 4* *Revision: 03.11.2026*

Trade name: Rosner RoCryl Lichtschutzadditiv

(Contd. of page 4)

· ***Eye protection:***



Tightly sealed goggles

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:***	*124-128 °C*
· ***Flash point:***	*27 °C (DIN EN ISO 1523:2002)*
· ***Flammability***	*Flammable.*
· ***Auto-ignition temperature:***	*390 °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:***	*1.2 Vol %*
· ***Upper:***	*8.5 Vol %*
· ***Vapour pressure at 20 °C:***	*10.7 hPa*
· ***Vapour pressure at 50 °C:***	*55 hPa*
· ***Density at 20 °C:***	*0.927 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:***	*10 s (DIN 53211/4)*
· ***Solvent content:***	
· ***VOC (EC)***	*68.31 %*
· ***Solids content (weight-%):***	*31.7 %*
· ***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.*

(Contd. on page 6)

Safety Data Sheet
in accordance with HSNO

Date of issue: 03.11.2026 *Version number 4* *Revision: 03.11.2026*

Trade name: Rosner RoCryl Lichtschutzadditiv

(Contd. of page 5)

· ***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:**		
123-86-4 n-Butyl acetate		
Oral	LD50	13,100 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
108-65-6 2-Methoxy-1-methylethyl acetate		
Oral	LD50	8,532 mg/kg (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*** *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*** *Suspected of damaging fertility or the unborn child.*
· ***STOT-single exposure*** *May cause drowsiness or dizziness.*
· ***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:*** *Toxic for fish*
· ***Additional ecological information:***
· ***General notes:***
Water hazard class 3 (German Regulation) : extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
· ***Results of PBT and vPvB assessment***
· ***PBT:*** *Not applicable*
· ***vPvB:*** *Not applicable*
· ***Other adverse effects*** *No further relevant information available.*

(Contd. on page 7)

Safety Data Sheet
in accordance with HSNO

Date of issue: 03.11.2026 *Version number 4* *Revision: 03.11.2026*

Trade name: Rosner RoCryl Lichtschutzadditiv

(Contd. of page 6)

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.

14 Transport information

· ***UN-Number***	
· ***NZS/RID/ADN, IMDG, IATA***	*UN1263*
· ***UN proper shipping name***	
· ***NZS/RID/ADN***	*UN1263 PAINT RELATED MATERIAL, ENVIRONMENTALLY HAZARDOUS*
· ***IMDG***	*PAINT (benzotriazole derivative, piperidyl sebacates), MARINE POLLUTANT*
· ***IATA***	*PAINT*
· ***Transport hazard class(es)***	
· ***NZS/RID/ADN***	
· ***Class***	*3 (F1) Flammable liquids.*
· ***Label***	*3*
· ***IMDG***	
· ***Class***	*3 Flammable liquids.*
· ***Label***	*3*
· ***IATA***	
· ***Class***	*3 Flammable liquids.*
· ***Label***	*3*
· ***Packing group***	
· ***NZS/RID/ADN, IMDG, IATA***	*III*
· ***Environmental hazards:***	*Product contains environmentally hazardous substances: piperidyl sebacates, piperidyl sebacates*
· ***Marine pollutant:***	*Symbol (fish and tree)*
· ***Special marking (NZS/RID/ADN):***	*Symbol (fish and tree)*

(Contd. on page 8)

Safety Data Sheet
in accordance with HSNO

Date of issue: 03.11.2026 *Version number 4* *Revision: 03.11.2026*

Trade name: Rosner RoCryl Lichtschutzadditiv

(Contd. of page 7)

· ***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, ENVIRONMENTALLY HAZARDOUS*

15 Regulatory information

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

· ***HSNO Approval numbers***

123-86-4	*n-Butyl acetate*	*HSR001091*

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



GHS02 GHS07 GHS08 GHS09

· ***Signal word*** *Warning*

· ***Hazard-determining components of labelling:***
n-Butyl acetate
Reaction mass of pentamethyl-piperidylsebacate
2-Methoxy-1-methylethyl acetate
· ***Hazard statements***
H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H336 May cause drowsiness or dizziness.
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.*
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].*

(Contd. on page 9)

Safety Data Sheet
in accordance with HSNO

Date of issue: 03.11.2026 *Version number 4* *Revision: 03.11.2026*

Trade name: Rosner RoCryl Lichtschutzadditiv

(Contd. of page 8)

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***
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*

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

Class	Share in %
I	10-25
NK	50-100

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.

· ***Relevant phrases***
H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic 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
Skin sensitisation Category 1: Skin sensitisation – Category 1
Skin sensitisation Sub-category 1A: Skin sensitisation – Category 1A
Reproductive toxicity Category 2: Reproductive toxicity – Category 2
Specific target organ toxicity - single exposure Category 3: Specific target organ toxicity (single exposure) – Category 3
Hazardous to the aquatic environment acute Category 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Hazardous to the aquatic environment chronic Category 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Hazardous to the aquatic environment chronic Category 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2