

Safety Data Sheet

in accordance with HSNO Version number 7

Revision: 31.03.2023

1 Identification of the substance or mixture and of the supplier

· Product identifier

· Trade name: Mipa BC-Mischlack A

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• Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
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· Application of the substance / the mixture Paint

· 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

Importer in New Zealand:

RJP Performance Coatings 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 Poison Control Centre: 0800 POISON [764 766]

www.mipa-paints.com • Emergency telephone number: International emergency number: +49(0)700 24112112 (MIP)

2 Hazards identification

· Classification of the substance or mixture

flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



STOT SE 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



· Signal word Warning

· Hazard statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

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· Precautionary statements
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- 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.

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· vPvB: Not applicable.

3 Composition/Information on ingredients

· Chemical characterisation: Mixtures

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

123-86-4	n-Butyl acetate	50-100%
	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
7429-90-5	aluminium powder (stabilized)/ manufacturer classification	2.5-<10%
	🚸 Flam. Sol. 1, H228	
1330-20-7	Xylene	2.5-<5%
	♦ Flam. Liq. 3, H226; ♦ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
108-65-6	2-Methoxy-1-methylethyl acetate	2.5-<10%
	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
78-93-3	Methyl ethyl ketone	<2.5%
	🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319; STOT SE 3, H336]
64742-95-6	Hydrocarbons, C9, aromatics	1-<2.5%
	 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336; Acute Tox. 5, H303; Acute Tox. 5, H313 	
4394-85-8	4-Morpholinecarbaldehyde	<i>≥</i> 0.1-<1%
	🚯 Skin Sens. 1, H317	

4 First aid measures

· General information: Immediately remove any clothing soiled by the product.

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · 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 to enter sewers/ surface or ground water.

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• 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

· Additional information about design of technical facilities: No further data; see section 7.

Ingredients with lim	it values that require monitoring at the workplace:
123-86-4 n-Butyl ace	etate
WES (New Zealand)	Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 ppm
IOELV (EU)	Short-term value: 723 mg/m³, 150 ppm Long-term value: 241 mg/m³, 50 ppm
7429-90-5 aluminiun	n powder (stabilized)/ manufacturer classification
WES (New Zealand)	Long-term value: 10* 5** 2*** mg/m³ *metal dust;**welding fume,soluble salts;***alkyls
1330-20-7 Xylene	
WES (New Zealand)	Long-term value: 217 mg/m³, 50 ppm oto
IOELV (EU)	Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin
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
78-93-3 Methyl ethyl	ketone
WES (New Zealand)	Short-term value: 890 mg/m³, 300 ppm Long-term value: 445 mg/m³, 150 ppm bio
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IOELV (EU)	Short-term value: 900 mg/m³, 300 ppm	
	Long-term value: 600 mg/m³, 200 ppm	

· Additional information: The lists valid during the making were used as basis.

· Personal protective equipment:

· General protective and hygienic measures: 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:

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

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.

Fluid

Characteristic

Not determined.

Not determined.

Flammable.

According to product specification

Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

- · Appearance:
- · Form:
- · Colour:
- · Odour:
- · Odour threshold:
- · pH-value:
- Change in condition
- Melting point/freezing point: Undetermined.
- Initial boiling point and boiling range: 124-128 °C 23 °C (DIN 53213)
- · Flash point:
- Flammability (solid, gas):
- · Auto-ignition temperature: 465 °C (DIN 51794) · Decomposition temperature: Not determined.

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Trade name: Mipa BC-Mischlack A

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· 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:	7.5 Vol %
Vapour pressure at 20 °C:	10.7 hPa
Density at 20 °C:	0.955 g/cm³ (DIN 53217)
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/wa	ater: Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C:	>60 s (ISO 6 mm)
Solvent content:	
VOC (EC)	73.76 %
Solids content (weight-%):	26.2 %
Other information	No further relevant information available.

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:

123-86-4 n-Butyl acetate

Oral LD50 13,100 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

• 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.
- · 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 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.

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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.
- · 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:** Disposal must be made according to official regulations.

UN-Number NZS, IMDG, IATA	UN1263	
UN proper shipping name		
NZŚ	UN1263 PAINT	
IMDG, IATA	PAINT	
Transport hazard class(es)		
NZS		
Class Label	3 (F1) Flammable liquids. 3	
IMDG, IATA		
Class	3 Flammable liquids.	
Label	3	



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Packing group	
NZS, IMDG, IATA	///
Environmental hazards:	
Marine pollutant:	No
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	
Limited quantities (LQ)	5L
Transport category	3
Tunnel restriction code	D/E
Remarks:	<u><</u> 450 I: -
IMDG	
Limited quantities (LQ)	5L
Remarks:	<i>≤</i> 30 <i>l</i> : -
UN "Model Regulation":	UN 1263 PAINT, 3, III

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
1330-20-7	Xylene	HSR000983
78-93-3	Methyl ethyl ketone	HSR001190

GHS label elements

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



Signal word Warning

NEW ZEALAND:

Class 3.1C Flammable Liquid & Vapour Class 6.9B Narcotic Effect

HSR002662

Surface Coatings & Colourants (Flammable)

• Hazard statements H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

· 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.
D280	Wear protective aloves/protective elething/ave protection/face protection/hearing

~

. . .

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].

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		(Oantil africant 7	
	P304+P340 P312	(Contd. of page 7) IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.)
	· Directive 2012/1	8/EU	
	· Named dangero	ous substances - ANNEX I None of the ingredients is listed.	
		y P5c FLAMMABLE LIQUIDS	
		ntity (tonnes) for the application of lower-tier requirements 5,000 t ntity (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		
	NK 50-1	20	
	Surface Coatings HSNO Approval	ns, limitations and prohibitive regulations s and Colourants (Flammable) Group Standard 2006 Number: The HSNO Approval Number for this Group Standard is HSR002662. Site & Storage requirements document.	
		<i>i assessment:</i> A Chemical Safety Assessment has not been carried out.	
	Chemical Salety	assessment. A chemical salety Assessment has not been camed out.	
1	6 Other inform	ation	
		is based on our present knowledge. However, this shall not constitute a guarantee product features and shall not establish a legally valid contractual relationship.	7
	· Relevant phrase	25	
	H225 Highly flam	nmable liquid and vapour.	
		e liquid and vapour.	
	H228 Flammable		
		rmful if swallowed.	
		al if swallowed and enters airways.	
		contact with skin.	
		rmful in contact with skin.	
	H315 Causes sk		
		an allergic skin reaction.	
		rious eye irritation.	
	H332 Harmful if I		
		e respiratory irritation.	
		e drowsiness or dizziness. Juatic life with long lasting effects.	
	· Contact:		
	· Abbreviations a	ind acronyms.	
	RID: Règlement inte Concerning the Inter	ernational concernant le transport des marchandises dangereuses par chemin de fer (Regulations national Transport of Dangerous Goods by Rail)	s
		Civil Aviation Organisation au transport international des marchandises dangereuses par route (European Agreement Concerning	~
		riage of Dangerous Goods by Road)	3
	IMDG: International I	Maritime Code for Dangerous Goods	
		ir Transport Association	
	ELINCS: European L	nventory of Existing Commercial Chemical Substances .ist of Notified Chemical Substances racts Service (division of the American Chemical Society)	
	VOC: Volatile Organ	ic Compounds (USA, EU)	
	LC50: Lethal concen		
	LD50: Lethal dose, 5	o percent accumulative and Toxic	
		accumulative and Toxic	
	Flam. Liq. 2: Flamma	able liquids – Category 2	
		able liquids – Category 3	
	Acute Tox. 5: Acute	able solids – Category 1 toxicity – Category 5	
	Acute Tox. 4: Acute		
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Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Skin conosion/initiation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation – Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 · * **Data compared to the previous version altered.**

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Revision: 18.07.2022

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Version number 1

1 Identification of the substance or mixture and of the supplier · Product identifier Trade name: Mipa BC-Mischlack M · Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Application of the substance / the mixture Paint Importer in New Zealand: · Details of the supplier of the safety data sheet **RJP** Performance Coatings · Manufacturer/Supplier: 33 Ha Crescent, Wiri MIPA SE Auckland 2104 Am Oberen Moos 1 Phone: 09 25000 91 D-84051 Essenbach Email: sales@mipa.nz Web: www.mipa.nz Tel.: +49(0)8703-922-0 Fax.: +49(0)8703-922-100 24HR Emergency Assistance in New Zealand: e-mail: sdb-registratur@mipa-paints.com National Poison Control Centre: 0800 POISON [764 766] www.mipa-paints.com · Emergency telephone number: International emergency number: +49(0)700 24112112 (MIP) 2 Hazards identification Classification of the substance or mixture flame Flam. Liq. 3 H226 Flammable liquid and vapour. STOT SE 3 H336 May cause drowsiness or dizziness. Acute Tox. 5 H333 May be harmful if inhaled. Skin Corr. 3 H316 Causes mild skin irritation. · 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: **Xylene** · Hazard statements H226 Flammable liquid and vapour. H333 May be harmful if inhaled. H316 Causes mild skin irritation. H336 May cause drowsiness or dizziness. 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. (Contd. on page 2) N7

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(Contd. of page 1) 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+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. • 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.

• Dangerou	s components:	
123-86-4	n-Butyl acetate	50-100%
	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
108-65-6	2-Methoxy-1-methylethyl acetate	2.5-<10%
	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
1330-20-7		1-<2.5%
	Flam. Liq. 3, H226; (1) Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
78-93-3	Methyl ethyl ketone	<2.5%
	Flam. Liq. 2, H225; () Eye Irrit. 2, H319; STOT SE 3, H336; Acute Tox. 5, H303; Acute Tox. 5, H313	
· Additiona	information : For the wording of the listed hazard phrases refer to section 16	

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

4 First aid measures

· Description of first aid measures

• General information: Immediately remove any clothing soiled by the product.

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- 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:
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire fighting measures

- · Extinguishing media
- 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. • Advice for firefighters
- · Protective equipment: No special measures required.

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Trade name: Mipa BC-Mischlack M

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6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: 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 item 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.
- · 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 lim	it values that require monitoring at the workplace:
123-86-4 n-Butyl ace	etate
WES (New Zealand)	Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 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
1330-20-7 Xylene	
WES (New Zealand)	Long-term value: 217 mg/m³, 50 ppm
IOELV (EU)	Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin
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78-93-3 Methyl ethyl	ketone	
WES (New Zealand)	Short-term value: 890 mg/m³, 300 ppm Long-term value: 445 mg/m³, 150 ppm bio	
IOELV (EU)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm	

· Additional information: The lists valid during the making were used as basis.

· Exposure controls

· Personal protective equipment:

General protective and hygienic measures: 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:

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

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

Information on basic physica General Information	al and chemical properties	
Appearance:		
Form:	Fluid	
Colour:	According to product specification	
Odour:	Characteristic	
Odour threshold:	Not determined.	



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pH-value:	Not determined.	
Change in condition Melting point/freezing point: Initial boiling point and boiling range	Undetermined. : 124-128 °C	
Flash point:	23 °C (DIN 53213)	
Flammability (solid, gas):	Not applicable.	
Ignition temperature:	315 °C (DIN 51794)	
Decomposition temperature:	Not determined.	
Auto-ignition temperature:	Product is not selfigniting.	
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.	
Explosion limits: Lower: Upper:	1.2 Vol % 7.5 Vol %	
Vapour pressure at 20 °C:	10.7 hPa	
Density at 20 °C: Relative density Vapour density Evaporation rate	1.008 g/cm ³ (DIN 53217) Not determined. Not determined. Not determined.	
Solubility in / Miscibility with water:	Not miscible or difficult to mix.	
Partition coefficient: n-octanol/water:	Not determined.	
Viscosity: Dynamic: Kinematic at 20 °C:	Not determined. >60 s (ISO 6 mm)	
Solvent content: VOC (EC)	69.69 %	
Solids content (weight-%):	30.3 %	
Other information	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

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Trade name: Mipa BC-Mischlack M

(Contd. of page 5)

11 Toxicological information

· Information on toxicological effects

· Acute toxicity

· 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)

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

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:** Disposal must be made according to official regulations.

· UN-Number		
· ADR, IMDG, IATA	UN1263	
· UN proper shipping name		
ADR	UN1263 PAINT	
· IMDG, IATA	PAINT	



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	(Contd. of page
Transport hazard class(es)	
ADR	
Class	3 (F1) Flammable liquids.
Label	3
IMDG, IATA	
Class	3 Flammable liquids.
Label	3
Packing group	
ADR, IMDG, IATA	<i>III</i>
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code)	
EMS Number:	F-E, <u>S-E</u>
Stowage Category	A
Transport in bulk according to Annex II of	Notannliachla
Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Transport category	3
Tunnel restriction code	D/E
Remarks:	≤ 450 l: -
IMDG	
Limited quantities (LQ)	5L
Remarks:	<i>≤</i> 30 <i>l</i> : -
UN "Model Regulation":	UN 1263 PAINT, 3, III

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
108-65-6	2-Methoxy-1-methylethyl acetate	HSR001219
1330-20-7	Xylene	HSR000983
78-93-3	Methyl ethyl ketone	HSR001190
GHS label elements		

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



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Hazard	pictograms			(Contd. of page 7)
			NEW ZEALAND Class 3.1C Class 6.9B	<u>):</u> flammable Liquid & Vapour Narcotic Effect
GHS02	GHS07		HSR002662	Surface Coatings & Colourants (Flammable)
Signal v	vord Warning			
Hazard- Xylene Hazard H226 Fla H333 Ma H316 Ca H336 Ma Precaut P210 P261 P280	determining statements ammable liqui ay be harmful auses mild ski ay cause drow ionary statem Ke sou Ave 500 361+P353 IF wit 312 IF	components of lab d and vapour. if inhaled. in irritation. vsiness or dizziness. nents ep away from heat urces. No smoking. oid breathing dust/fu ear protective gloves otection. ON SKIN (or hair): 7 h water [or shower]. INHALED: Call a PO	, hot surfaces, spa me/gas/mist/vapour /protective clothing, fake off immediatel NSON CENTER/doo	arks, open flames and other ignition rs/spray. /eye protection/face protection/hearing y all contaminated clothing. Rinse skin ctor if you feel unwell. and keep comfortable for breathing.
Named Seveso Qualifyi Qualifyi Nationa	category P50 ing quantity (ing quantity (I regulations	ubstances - ANNEX c FLAMMABLE LIQU (tonnes) for the app (tonnes) for the app :	//DS dication of lower-tablication of upper-tablication of upper-tablica	edients is listed. ier requirements 5,000 t tier requirements 50,000 t ous Materials, Annex II:
NK	50-100			
Surface HSNO A Refer als	Coatings and opproval Numl so to the Site	& Storage requireme	able) Group Standa roval Number for thi ents document.	

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 H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H303 May be harmful if swallowed. H312 Harmful in contact with skin. H313 May be harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled.

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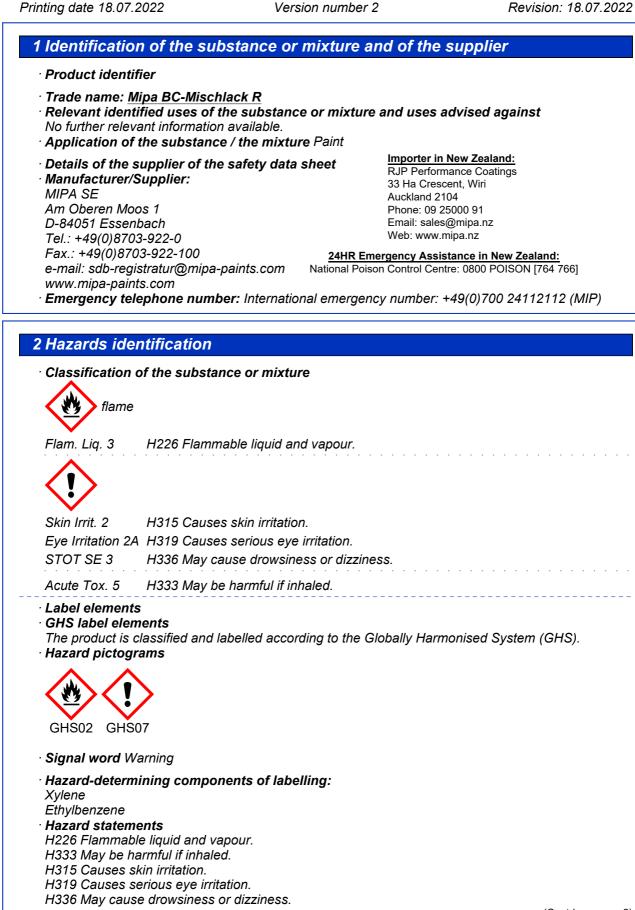
Printing date 18.07.2022

Trade name: Mipa BC-Mischlack M

(Contd. of pa	age 8)
H336 May cause drowsiness or dizziness.	
· Contact:	
Abbreviations and acronyms:	
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regula Concerning the International Transport of Dangerous Goods by Rail) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation	itions
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)	
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Conce the International Carriage of Dangerous Goods by Road)	<i>erning</i>
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. 2: Flammable liquids – Category 2	
Flam. Liq. 3: Flammable liquids – Category 3	
Acute Tox. 5: Acute toxicity – Category 5	
Acute Tox. 4: Acute toxicity – Category 4	
Skin Irrit. 2: Skin corrosion/irritation – Category 2	
Skin Corr. 3: Skin corrosion/irritation – Category 3	
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2	
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
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Trade name: Mipa BC-Mischlack R

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(Contd. of page 1)

 Precautionary s 	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+P3	53 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P312	IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P33	88 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Other hazards 	
· Results of PBT	and vPvB assessment
· PBT: Not applica	able.
• vPvB: Not applic	cable.

3 Composition/Information on ingredients

· Chemical characterisation: Mixtures

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

123-86-4	n-Butyl acetate	50-100%
	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
1330-20-7	Xylene	5-<10%
	♦ Flam. Liq. 3, H226; ♦ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
100-41-4	Ethylbenzene	2.5-<10%
	Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irritation 2A, H319; Acute Tox. 5, H303; Aquatic Chronic 3, H412	
85-44-9	Phthalic anhydride	<i>≥</i> 0.1-<1%
	♦ Resp. Sens. 1, H334; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	

On: For the wording of the listed haz

4 First aid measures

· Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- 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:
- · Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture No further relevant information available.
- 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 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 item 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** Use only in well ventilated areas. 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 lim	it values that require monitoring at the workplace:
123-86-4 n-Butyl ac	etate
WES (New Zealand)	Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 ppm
IOELV (EU)	Short-term value: 723 mg/m³, 150 ppm Long-term value: 241 mg/m³, 50 ppm
1330-20-7 Xylene	
WES (New Zealand)	Long-term value: 217 mg/m³, 50 ppm
IOELV (EU)	Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin
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		(Contd. of page 3)
100-41-4 Ethylbenz	ene	
WES (New Zealand)	Short-term value: 543 mg/m³, 125 ppm Long-term value: 434 mg/m³, 100 ppm	
IOELV (EU)	Short-term value: 884 mg/m³, 200 ppm Long-term value: 442 mg/m³, 100 ppm Skin	

• 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. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.
- Respiratory protection:

Not required.

400
4339

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.

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

9 Physical and chemical properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance: Form:

Fluid

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	(Contd. of page 4
Colour: · Odour: · Odour threshold:	According to product specification Characteristic Not determined.
· pH-value:	Not determined.
 Change in condition Melting point/freezing point: Initial boiling point and boiling range 	Undetermined. 2: 124-128 °C
· Flash point:	23 °C (DIN 53213)
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	315 °C (DIN 51794)
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits: Lower: Upper:	1.2 Vol % 10.8 Vol %
· Vapour pressure at 20 °C:	10.7 hPa
 Density at 20 °C: Relative density Vapour density Evaporation rate 	0.963 g/cm ³ (DIN 53217) Not determined. Not determined. Not determined.
 Solubility in / Miscibility with water: 	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
 Viscosity: Dynamic: Kinematic at 20 °C: 	Not determined. >60 s (ISO 6 mm)
· Solvent content: VOC (EC)	65.52 %
Solids content (weight-%):	34.5 %
· Other information	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

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Trade name: Mipa BC-Mischlack R

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11 Toxicological information

· Information on toxicological effects

· Acute toxicity

· 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)

- Primary irritant effect:
- · Skin corrosion/irritation No irritant effect.
- · Serious eye damage/irritation Irritating effect.
- · Respiratory or skin sensitisation No sensitising effects known.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: *Irritant*

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 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.

- · 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.

UN-Number		
ADR, IMDG, IATA	UN1263	
UN proper shipping name		
ADR	UN1263 PAINT	



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15 Regulatory information

 \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture

· HSNO App	proval numbers	
123-86-4	n-Butyl acetate	HSR001091
1330-20-7	Xylene	HSR000983
100-41-4	Ethylbenzene	HSR001151
85-44-9	Phthalic anhydride	HSR003066
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		NEW ZEALAN	
<u>()</u>	>	Class 3.1C	Flammable Liqu Vapour
GHS02 GHS)7	Class 6.1E	Inhalation Haza
		Class 6.3A	Skin Irritation
Signal word W	arning	Class 6.4A	Eye Irritation
-	-	Class 6.9B	Narcotic effect
Xylene	ining components of	labelling:	
Ethylbenzene		HSR002662	Surface Coating
Hazard statem	onte		Colourants
	le liquid and vapour.		(Flammable)
	armful if inhaled.		, , , , , , , , , , , , , , , , , , ,
H315 Causes s			
	erious eye irritation.		
	e drowsiness or dizzine	SS.	
Precautionary			
P210		eat, hot surfaces, sparks, open flar	nes and other ignit
	sources. No smoking		· ·
P261	Avoid breathing dus	t/fume/gas/mist/vapours/spray.	
P280	Wear protective glo	ves/protective clothing/eye protection/	/face protection/hear
	protection.		
P303+P361+P3): Take off immediately all contamina	ted clothing. Rinse s
	with water [or showe		
P304+P312		POISON CENTER/doctor if you feel u	
P305+P351+P3		cautiously with water for several min	nutes. Remove cont
	lenses, it present an	d easy to do. Continue rinsing.	
Directive 2012/	18/EU		
	ous substances - ANN	NEX I None of the ingredients is listed.	
Seveso catego	ry P5c FLAMMABLE LI	IQUIDS	
Seveso catego Qualifying qua	ry P5c FLAMMABLE LI ntity (tonnes) for the a	QUIDS application of lower-tier requirement	
Seveso catego Qualifying qua	ry P5c FLAMMABLE LI ntity (tonnes) for the a	IQUIDS	
Seveso catego Qualifying qua Qualifying qua	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a	QUIDS application of lower-tier requirement	
Seveso catego Qualifying qua Qualifying qua National regula	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a ations:	QUIDS application of lower-tier requirement application of upper-tier requirement	n ts 50,000 t
Seveso catego Qualifying qua Qualifying qua National regula Additional clas	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a ntions: sification according to	QUIDS application of lower-tier requirement	n ts 50,000 t
Seveso catego Qualifying qua Qualifying qua National regula Additional clas Class Share	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a ations: sification according to in %	QUIDS application of lower-tier requirement application of upper-tier requirement	n ts 50,000 t
Seveso catego Qualifying qua Qualifying qua National regula Additional clas Class Share	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a ations: sification according to in %	QUIDS application of lower-tier requirement application of upper-tier requirement	n ts 50,000 t
Seveso catego Qualifying qua Qualifying qua National regula Additional clas Class Share	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a ations: sification according to in %	QUIDS application of lower-tier requirement application of upper-tier requirement	n ts 50,000 t
Seveso catego Qualifying qua Qualifying qua National regula Additional class Class Share / < NK 50-1	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a ations: sification according to in % 1 100	QUIDS application of lower-tier requiremen application of upper-tier requiremen o Decree on Hazardous Materials, A	n ts 50,000 t
Seveso catego Qualifying qua Qualifying qua National regula Additional class Class Share / < NK 50-1 Other regulatio	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a ations: sification according to in % 1 100 ons, limitations and pr	QUIDS application of lower-tier requirement application of upper-tier requirement o Decree on Hazardous Materials, A rohibitive regulations	n ts 50,000 t
Seveso catego Qualifying qua Qualifying qua National regula Additional class Class Share I < NK 50-1 Other regulatio Surface Coating	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a ations: sification according to in % 1 00 ons, limitations and pr as and Colourants (Flam	QUIDS application of lower-tier requirement application of upper-tier requirement o Decree on Hazardous Materials, A prohibitive regulations tomable) Group Standard 2006	nts 50,000 t Annex II:
Seveso catego Qualifying qua Qualifying qua National regula Additional class Class Share I < NK 50-7 Other regulatio Surface Coating HSNO Approva	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a ations: sification according to in % 1 00 ons, limitations and pr is and Colourants (Flam I Number: The HSNO A	QUIDS application of lower-tier requirement application of upper-tier requirement o Decree on Hazardous Materials, A cohibitive regulations nable) Group Standard 2006 pproval Number for this Group Standa	n ts 50,000 t Annex II:
Seveso catego Qualifying qua Qualifying qua National regula Additional class Class Share I < NK 50-1 Other regulation Surface Coating HSNO Approva Refer also to the	ry P5c FLAMMABLE LI ntity (tonnes) for the a ntity (tonnes) for the a ations: sification according to in % 1 00 ons, limitations and pr ys and Colourants (Flam I Number: The HSNO A e Site & Storage require	QUIDS application of lower-tier requirement application of upper-tier requirement o Decree on Hazardous Materials, A cohibitive regulations nable) Group Standard 2006 pproval Number for this Group Standa	n ts 50,000 t Annex II: ard is HSR002662.

for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour.

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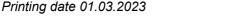
Trade name: Mipa BC-Mischlack R

	(Contd. of page 8)
H302 Harmful if swallowed.	
H303 May be harmful if swallowed.	
H304 May be fatal if swallowed and enters airways.	
H312 Harmful in contact with skin.	
H315 Causes skin irritation.	
H317 May cause an allergic skin reaction.	
H318 Causes serious eye damage.	
H319 Causes serious eye irritation.	
H332 Harmful if inhaled.	
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
H335 May cause respiratory irritation.	
H336 May cause drowsiness or dizziness.	
H373 May cause damage to organs through prolonged or repeated exposure.	
H412 Harmful to aquatic life with long lasting effects.	
· Contact:	
· Abbreviations and acronyms:	
RID: Règlement international concernant le transport des marchandises dangereuses par chemin c	le fer (Regulations
Concerning the International Transport of Dangerous Goods by Rail)	
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)	
ICAO: International Civil Aviation Organisation	
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO) ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agre	eement Concerning
the International Carriage of Dangerous Goods by Road)	sement concerning
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. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3	
Acute Tox. 5: Acute toxicity – Category 5	
Acute Tox. 4: Acute toxicity – Category 4	
Skin Irrit. 2: Skin corrosion/irritation – Category 2	
Eye Dam. 1: Serious eye damage/eye irritation – Category 1	
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A	
Resp. Sens. 1: Respiratory sensitisation – Category 1	
Skin Sens. 1: Skin sensitisation – Category 1	
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2	
Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment, long term aquatic hazard Category 3	
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3	NZ



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1 Identification of the substance or mixture and of the supplier

· Product identifier

· Trade name: Mipa BC-Mischlack T

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

· Application of the substance / the mixture Paint

· 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 Importer in New Zealand: RJP Performance Coatings 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 Poison Control 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

flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



STOT SE 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



· Signal word Warning

· Hazard statements

H226 Flammable liquid and vapour.

```
H336 May cause drowsiness or dizziness.
```

```
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.

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• **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	50-100%
	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
	2-Methoxy-1-methylethyl acetate	10-25%
	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
1330-20-7		2.5-<5%
	Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
78-93-3	Methyl ethyl ketone	<2.5%
	🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319; STOT SE 3, H336	
· Additional	information: For the wording of the listed hazard phrases refer to section 16.	

4 First aid measures

· Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- 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

- Extinguishing media
- 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.
- · 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 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 item 13.

Ensure adequate ventilation.

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· 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** Use only in well ventilated areas. 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

123-86-4 n-Butyl ac	etate	
WES (New Zealand)	Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 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	
1330-20-7 Xylene		
WES (New Zealand)	Long-term value: 217 mg/m³, 50 ppm oto	
IOELV (EU)	Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin	
78-93-3 Methyl ethy	l ketone	
WES (New Zealand)	Short-term value: 890 mg/m³, 300 ppm Long-term value: 445 mg/m³, 150 ppm bio	
IOELV (EU)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm	

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- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures: Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.



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.

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

Information on basic physical General Information	and chemical properties	
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	ng range: 124-128 °C	
Flash point:	23 °C (DIN 53213)	



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	(Contd. of page 4)
· Flammability (solid, gas):	Flammable.
· Ignition temperature:	315 °C (DIN 51794)
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits: Lower: Upper:	1.2 Vol % 10.8 Vol %
· Vapour pressure at 20 °C:	10.7 hPa
 Density at 20 °C: Relative density Vapour density Evaporation rate 	0.963 g/cm ³ (DIN 53217) Not determined. Not determined. Not determined.
 Solubility in / Miscibility with water: 	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
[·] Viscosity: Dynamic: Kinematic at 20 °C:	Not determined. >60 s (ISO 6 mm)
· Solvent content: VOC (EC)	73.07 %
Solids content (weight-%):	26.9 %
· Other information	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:

123-86-4 n-Butyl acetate

Oral LD50 13,100 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

· Primary irritant effect:

· Skin corrosion/irritation No irritant effect.

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- · Serious eye damage/irritation No irritating effect.
- · Respiratory or skin sensitisation No sensitising effects known.

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:** Disposal must be made according to official regulations.

UN-Number		
NZS, IMDG, IATA	UN1263	
UN proper shipping name		
NZŚ	UN1263 PAINT	
IMDG, IATA	PAINT	
NZS		
Class	3 (F1) Flammable liquids.	
Label	3	

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	(Contd. of page
IMDG, IATA	
Class	3 Flammable liquids.
Label	3
Packing group	
NZS, IMDG, IATA	<i>III</i>
Environmental hazards:	Ma
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	
EMS Number:	<i>F-E,<u>S-E</u></i>
Stowage Category	Α
Transport in bulk according to Annex II of	
Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
NZS	
Limited quantities (LQ)	5L
Transport category	3
Tunnel restriction code	D/E
· Remarks:	<i>≤</i> 450 <i>l</i> : -
· IMDG	
· Limited quantities (LQ)	5L
· Remarks:	<i>≤</i> 30 <i>l</i> : -
· UN "Model Regulation":	UN 1263 PAINT, 3, III

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
1330-20-7	Xylene	HSR000983
78-93-3	Methyl ethyl ketone	HSR001190

· GHS label elements

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

Class 6.9B



NEW ZEALAND:
Class 3.1C

Flammable Liquid & Vapour Narcotic Effect

HSR002662 (Flammable) Surface Coatings & Colourants

· Signal word Warning

· Hazard statements

H226 Flammable liquid and vapour.

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⁻ NZ



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Trade name: Mipa BC-Mischlack T

H336 May cau	se drowsiness or dizziness. (Contd. of page
· Precautionary	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignitio
	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+P	353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse ski
	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 204	-
Directive 2012	
	erous substances - ANNEX I None of the ingredients is listed.
	ory P5c FLAMMABLE LIQUIDS
	antity (tonnes) for the application of lower-tier requirements 5,000 t
· Qualifying qu	antity (tonnes) for the application of upper-tier requirements 50,000 t
· National regu	lations:
	ssification according to Decree on Hazardous Materials, Annex II:
	e in %
NK 50	-100
· · · ·	
	ions, limitations and prohibitive regulations
	ngs and Colourants (Flammable) Group Standard 2006
	al Number: The HSNO Approval Number for this Group Standard is HSR002662.
HSNO Approv	
	he Site & Storage requirements document.
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Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 • * **Data compared to the previous version altered.**



in accordance with HSNO

Revision: 06.02.2023 Printing date 06.02.2023 Version number 96 1 Identification of the substance or mixture and of the supplier · Product identifier • Trade name: <u>Mipa BC 2-Schicht-Basis</u>lack <u>SDS for Ready-for-use (RFU)</u> · Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Application of the substance / the mixture Paint · Details of the supplier of the safety data sheet Importer in New Zealand: **RJP** Performance Coatings · Manufacturer/Supplier: 33 Ha Crescent, Wiri MIPA SE Auckland 2104 Am Oberen Moos 1 Phone: 09 25000 91 D-84051 Essenbach Email: sales@mipa.nz Tel.: +49(0)8703-922-0 Web: www.mipa.nz Fax.: +49(0)8703-922-100 24HR Emergency Assistance in New Zealand: e-mail: sdb-registratur@mipa-paints.com National Poison Control Centre: 0800 POISON [764 766] www.mipa-paints.com · Emergency telephone number: International emergency number: +49(0)700 24112112 (MIP) 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 organs through prolonged or repeated exposure. H315 Causes skin irritation. Skin Irrit. 2 H319 Causes serious eye irritation. Eye Irrit. 2 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: Ethylbenzene · Hazard statements H226 Flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. (Contd. on page 2) N7



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	(Contd. of page 1)
H336 May cause	drowsiness or dizziness.
H373 May cause	damage to organs through prolonged or repeated exposure.
	aquatic life with long lasting effects.
• Precautionary st	atements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353	J 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.
P305+P351+P338	B IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Other hazards 	
· Results of PBT a	and vPvB assessment
• PBT: Not applical	ble.

• **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	50-100%
	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
1330-20-7	Xylene	5-<10%
	♦ Flam. Liq. 3, H226; ♦ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
78-93-3	Methyl ethyl ketone	2.5-<10%
	🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319; STOT SE 3, H336	1
64742-95-6	Hydrocarbons, C9, aromatics	5-<10%
	 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336; Acute Tox. 5, H303; Acute Tox. 5, H313 	
108-65-6	2-Methoxy-1-methylethyl acetate	2.5-<10%
	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	1
100-41-4	Ethylbenzene	<2.5%
	Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	
85711-46-2	Fatty acids, C14-18 and C16-18-unsatd., maleated	≥0.1-<1%
	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	1
Additional	information: For the wording of the listed hazard phrases refer to section 16	5.

4 First aid measures

· Description of first aid measures

· General information: Immediately remove any clothing soiled by the product.

• After inhalation: Supply fresh air; consult doctor in case of complaints.

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

- · Extinguishing media
- 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 During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
- 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 item 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** Use only in well ventilated areas. 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. Keep respiratory protective device available.
- $^{\rm \cdot}$ 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

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· 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

it values that require monitoring at the workplace:	
etate	
Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 ppm	
Short-term value: 723 mg/m³, 150 ppm Long-term value: 241 mg/m³, 50 ppm	
Long-term value: 217 mg/m³, 50 ppm oto	
Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin	
l ketone	
Short-term value: 890 mg/m³, 300 ppm Long-term value: 445 mg/m³, 150 ppm bio	
Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm	
-1-methylethyl acetate	
Short-term value: 550 mg/m³, 100 ppm Long-term value: 275 mg/m³, 50 ppm Skin	
ene	
Short-term value: 176 mg/m³, 40 ppm Long-term value: 88 mg/m³, 20 ppm skin, oto	
Short-term value: 884 mg/m³, 200 ppm Long-term value: 442 mg/m³, 100 ppm Skin	
ion: The lists valid during the making were used as basis.	
equipment: and hygienic measures: Istuffs, beverages and feed. all soiled and contaminated clothing preaks and at the end of work.	
	etate Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 ppm Short-term value: 723 mg/m³, 150 ppm Long-term value: 221 mg/m³, 50 ppm torg-term value: 241 mg/m³, 50 ppm oto Short-term value: 217 mg/m³, 50 ppm oto Short-term value: 217 mg/m³, 50 ppm oto Short-term value: 217 mg/m³, 50 ppm Short-term value: 221 mg/m³, 50 ppm Long-term value: 442 mg/m³, 100 ppm Long-term value: 890 mg/m³, 300 ppm Long-term value: 900 mg/m³, 300 ppm Long-term value: 900 mg/m³, 200 ppm Long-term value: 550 mg/m³, 100 ppm Long-term value: 275 mg/m³, 50 ppm Short-term value: 275 mg/m³, 50 ppm Skin ene Short-term value: 176 mg/m³, 40 ppm Long-term value: 88 mg/m³, 200 ppm Long-term value: 884 mg/m³, 100 ppm Short-term value: 884 mg/m³, 100 ppm Short-term value: 442 mg/m³, 100 ppm Short-term value: 884 mg/m³, 100 ppm Short-term value: 442 mg/m³, 100 ppm Short-term value: 884 mg/m³, 100 ppm Short-term value: 442 mg/m³, 100 ppm Skin

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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

Butyl rubber, BR

Recommended thickness of the material: > 0.7 mm

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 Value for the permeation: Level ≤ 1

· 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:	79-80.5 °C
· Flash point:	23 °C (DIN 53213)
· Flammability (solid, gas):	Flammable.
· Ignition temperature:	450 °C (DIN 51794)
· Decomposition temperature:	Not determined.
· Auto-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 %
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Upper:	7.5 Vol %
· Vapour pressure at 20 °C:	105 hPa
· Density at 20 °C:	0.984 g/cm³ (DIN 53217)
· 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:	130-140 s (DIN 53211/4)
· Solvent content:	
VOC (EC)	74.60 %
Solids content (weight-%):	25.4 %
· Other information	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:

123-86-4 n-Butyl acetate

Oral LD50 13,100 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

- Primary irritant effect:
- · Skin corrosion/irritation No irritant effect.
- · Serious eye damage/irritation Irritating effect.
- · Respiratory or skin sensitisation No sensitising effects known.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: *Irritant*

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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.

· UN-Number		
· NZS, IMDG, IATA	UN1263	
· UN proper shipping name		
· NZŚ	UN1263 PAINT	
· IMDG, IATA	PAINT	
· Transport hazard class(es)		
·NZS		
Class	3 (F1) Flammable liquids.	
· Label	3	



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IMDG, IATA	
3	
Class	3 Flammable liquids.
Label	3
Packing group	
NZS, IMĎG, IATA	<i>III</i>
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	
EMS Number:	F-E, <u>S-E</u>
Stowage Category	A
Transport in bulk according to Annex II of	
Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
NZS	
Limited quantities (LQ)	5L
Transport category	3
Tunnel restriction code	D/E
Remarks:	≤ 450 l: 2.2.3.1.5 ADR
IMDG	
Limited quantities (LQ)	5L
Remarks:	≤ 30 l: 2.2.3.5 IMDG-Code
UN "Model Regulation":	UN 1263 PAINT, 3, III

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
1330-20-7	Xylene	HSR000983
78-93-3	Methyl ethyl ketone	HSR001190
100-41-4	Ethylbenzene	HSR001151
<u> </u>	•	

GHS label elements

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



NEW ZEALAND: Class 3.1C

Class 3.1C	Flammable Liquid & Vapour
Class 6.3A	Skin Irritant
Class 6.4A	Eye Irritant
Class 6.9B	Target Organ – Repeat/Narcotic Effect
Class 9.1C	Aqua Toxic
HSR002662	Surface Coatings & Colourants (Flammable)

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(Contd. of page 8) · Hazard-determining components of labelling: Ethvlbenzene · Hazard statements H226 Flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. 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. P260 Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection/hearing P280 protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304+P340 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. · 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 50-100 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 H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H303 May be harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H313 May be harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure.

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Safety Data Sheet in accordance with HSNO

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H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
Contact:
Abbreviations and acronyms:
ICAO: International Civil Aviation Organisation
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
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
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 5: Acute toxicity – Category 5
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT_RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
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.