

1 Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name:** *Mipa Felgensilber Spray*
- **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 8703 92 20
Fax.: +49 8703 92 21 00
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

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.



health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



Eye Irrit. 2 H319 Causes serious eye irritation.

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**



GHS02 GHS07 GHS08

- **Signal word** *Danger*

- **Hazard-determining components of labelling:**

acetone

Xylene

n-Butyl acetate

2-Methoxy-1-methylethyl acetate

- **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/Information on ingredients

Chemical characterisation: Mixtures

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

Dangerous components:

67-64-1	acetone	25-50%
	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	
115-10-6	dimethyl ether	10-25%
	⚠ Flam. Gas 1A, H220; ⚠ Press. Gas L, H280	
74-98-6	propane	10-25%
	⚠ Flam. Gas 1A, H220; ⚠ Press. Gas L, H280	
106-97-8	butane, pure	2.5-<10%
	⚠ Flam. Gas 1A, H220; ⚠ Press. Gas C, H280	
123-86-4	n-Butyl acetate	5-<10%
	⚠ 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	
75-28-5	isobutane	2.5-<10%
	⚠ Flam. Gas 1A, H220; ⚠ Press. Gas C, H280	
9004-70-0	Nitrocellulose, nitrogen content <12,6%	2.5-<10%
	⚠ Expl. 1.1, H201	
64-17-5	ethanol	<2.5%
	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319	
1330-20-7	Xylene	1-<2.5%
	⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
7429-90-5	aluminium powder (stabilized)/ manufacturer classification	<2.5%
	⚠ Flam. Sol. 1, H228	

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

4 First aid measures

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

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

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- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.

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:**
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** Keep away from heat and direct sunlight.
- **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Do not seal receptacle gas tight.
Keep container tightly sealed.
- **Storage class:** 2 B
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

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

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

67-64-1 acetone

WES (New Zealand)	Short-term value: 2375 mg/m ³ , 1000 ppm Long-term value: 1185 mg/m ³ , 500 ppm bio
IOELV (EU)	Long-term value: 1210 mg/m ³ , 500 ppm

115-10-6 dimethyl ether

WES (New Zealand)	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
IOELV (EU)	Long-term value: 1920 mg/m ³ , 1000 ppm

74-98-6 propane

WES (New Zealand)	Simple asphyxiant; may present an explosion hazard
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106-97-8 butane, pure

WES (New Zealand)	Long-term value: 1900 mg/m ³ , 800 ppm
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123-86-4 n-Butyl acetate

WES (New Zealand)	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 713 mg/m ³ , 150 ppm
IOELV (EU)	Short-term value: 723 mg/m ³ , 150 ppm Long-term value: 241 mg/m ³ , 50 ppm

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

IOELV (EU)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Skin
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64-17-5 ethanol

WES (New Zealand)	Long-term value: 1880 mg/m ³ , 1000 ppm oto
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1330-20-7 Xylene

WES (New Zealand)	Long-term value: 217 mg/m ³ , 50 ppm oto
IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin

7429-90-5 aluminium powder (stabilized)/ manufacturer classification

WES (New Zealand)	Long-term value: 10* 5** 2*** mg/m ³ *metal dust;**welding fume,soluble salts;***alkyls
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· **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.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.

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· **Respiratory protection:**



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

· **Protection of hands:**

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

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:**

Safety glasses



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

· **Appearance:**

· **Form:**

Aerosol

· **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:**

-44.5 °C

· **Flash point:**

<0 °C (DIN 53213)

· **Flammability (solid, gas):**

Not applicable.

· **Auto-ignition temperature:**

235 °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:**

1.7 Vol %

· **Upper:**

18.6 Vol %

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· Vapour pressure at 20 °C:	8,300 hPa
· Vapour pressure at 50 °C:	800 hPa
· Density at 20 °C:	0.743 g/cm ³ (DIN 53217)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
· water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· Solvent content:	
· VOC (EC)	92.60 %
· Solids content (weight-%):	7.4 %
· 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.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **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** May cause damage to organs through prolonged or repeated exposure.
- **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.

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- **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.

14 Transport information

- | | |
|---|---------------------|
| · UN-Number | UN1950 |
| · NZS, IMDG, IATA | |
| · UN proper shipping name | UN1950 AEROSOLS |
| · NZS | AEROSOLS |
| · IMDG | AEROSOLS |
| · IATA | AEROSOLS, flammable |
| · Transport hazard class(es) | |
| · NZS | |
|  | |
| · Class | 2.5F Gases. |
| · Label | 2.1 |
| · IMDG, IATA | |
|  | |
| · Class | 2.1 Gases. |
| · Label | 2.1 |
| · Packing group | |
| · NZS, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Warning: Gases. |
| · Hazard identification number (Kemler code): | - |

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· EMS Number:	F-D,S-U
· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· NZS	
· Limited quantities (LQ)	1L
· Transport category	2
· Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	1L
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

15 Regulatory information

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

· **HSNO Approval numbers**

67-64-1	acetone	HSR001070
115-10-6	dimethyl ether	HSR000995
74-98-6	propane	HSR001010
106-97-8	butane, pure	HSR000989
123-86-4	n-Butyl acetate	HSR001091
75-28-5	isobutane	HSR001003
64-17-5	ethanol	HSR001144
1330-20-7	Xylene	HSR000983

· **GHS label elements**

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

· **Hazard pictograms**



GHS02 GHS07 GHS08

NEW ZEALAND:

HSR002515 Aerosols (Flammable) Group Standard 2020

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NZ

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· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

acetone
Xylene
n-Butyl acetate
2-Methoxy-1-methylethyl acetate

· **Hazard statements**

H222-H229 *Extremely flammable aerosol. Pressurized container: may burst if heated.*
H319 *Causes serious eye irritation.*
H336 *May cause drowsiness or dizziness.*
H373 *May cause damage to organs through prolonged or repeated exposure.*

· **Precautionary statements**

P102 *Keep out of reach of children.*
P210 *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
P211 *Do not spray on an open flame or other ignition source.*
P251 *Do not pierce or burn, even after use.*
P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
P410+P412 *Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.*
P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*

· **Seveso category** *P3a FLAMMABLE AEROSOLS*

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** *150 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 %
NK	50-100

· **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**

H201 *Explosive; mass explosion hazard.*
H220 *Extremely flammable gas.*
H225 *Highly flammable liquid and vapour.*
H226 *Flammable liquid and vapour.*
H228 *Flammable solid.*
H280 *Contains gas under pressure; may explode if heated.*
H304 *May be fatal if swallowed and enters airways.*
H312 *Harmful in contact with skin.*
H315 *Causes skin irritation.*
H319 *Causes serious eye irritation.*
H332 *Harmful if inhaled.*
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

Printing date 28.09.2023

Version number 9

Revision: 25.09.2023

Trade name: Mipa Felgensilber Spray

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· **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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Explosives – Division 1.1

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas C: Gases under pressure – Compressed gas

Press. Gas L: Gases under pressure – Liquefied gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Sol. 1: Flammable solids – Category 1

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

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

Asp. Tox. 1: Aspiration hazard – Category 1

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

NZ