

Safety Data Sheet

in accordance with HSNO

mipa

Professional Coating Systems

Printing date 31.03.2021

Version number 3

Revision: 31.03.2021

1 Identification of the substance or mixture and of the supplier· **Product identifier**· **Trade name:** *Mipa 1K-UV-Füller Spray*· **Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture** *Priming*· **Details of the supplier of the safety data sheet**· **Manufacturer/Supplier:**

MIPA SE

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D-84051 Essenbach

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Fax.: +49(0)8703-922-100

e-mail: sdb-registratur@mipa-paints.comwww.mipa-paints.com· **Emergency telephone number:** International emergency number: +49(0)700 24112112 (MIP)**Distributor in New Zealand:****Mipa New Zealand**33 Ha Crescent, Wiri, Auckland 2104
New Zealand

Phone: +64 9 25000 91

Fax: +64 9 25000 92

Email: sales@mipa.nzWeb: www.mipa.nz**24hr Emergency Assistance in New Zealand**

National Poison Control Centre: 0800 POISON [764 766]

2 Hazards identification· **Classification of the substance or mixture**

flame

Aerosol 1

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



corrosion

Eye Dam. 1

H318

Causes serious eye damage.



Skin Sens. 1

H317

May cause an allergic skin reaction.

STOT SE 3

H336

May cause drowsiness or dizziness.

Skin Corr. 3

H316

Causes mild skin irritation.

Aquatic Acute 3

H402

Harmful to aquatic life.

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

GHS05

GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***Dipropylenglycol diacrylate*

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4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

· **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H316 Causes mild skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

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

· **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:**

115-10-6	dimethyl ether	25-50%
	⚠ Flam. Gas 1, H220; ⚠ Press. Gas L, H280	
67-64-1	acetone	≥10-≤20%
	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	
55818-57-0	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	2.5-<10%
	⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317	
141-78-6	ethyl acetate	2.5-<10%
	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	
57472-68-1	Dipropyleneglocyl diacrylate	≥3-<10%
	⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	
	Acrylate	2.5-<10%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	
444649-70-1	Reaction mass of neo-Decanoic acid, 2-oxyranylmethylester and 2-propenoic acid	≥0.25-<2.5%
	⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411	
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	≥0.1-<1%
	⚠ Skin Sens. 1A, H317; Aquatic Chronic 4, H413	
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	≥0.25-<1%
	⚠ Repr. 2, H361; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1B, H317	
52408-84-1	Glycerol, propoxylated, esters with acrylic acid	≥0.1-<1%
	⚠ Eye Irrit. 2A, H319; Skin Sens. 1, H317	


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7779-90-0 Trizinc bis(orthophosphate)

≥0.025-<0.25%

 Aquatic Acute 1, H400; Aquatic Chronic 1, H410

· **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 and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **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.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **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 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:**
Use neutralising agent.
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**
Keep away from heat and direct sunlight.

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Ensure good ventilation/exhaustion at the workplace.

· **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.

· **Conditions for safe storage, including any incompatibilities**

· **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:** Keep container tightly sealed.

· **Storage class:** 2 B

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

115-10-6 dimethyl ether

WES (New Zealand) Short-term value: 958 mg/m³, 500 ppm

Long-term value: 766 mg/m³, 400 ppm

IOELV (EU)

Long-term value: 1920 mg/m³, 1000 ppm

67-64-1 acetone

WES (New Zealand) Short-term value: 2375 mg/m³, 1000 ppm

Long-term value: 1185 mg/m³, 500 ppm

bio

IOELV (EU)

Long-term value: 1210 mg/m³, 500 ppm

141-78-6 ethyl acetate

WES (New Zealand) Long-term value: 720 mg/m³, 200 ppm

IOELV (EU)

Short-term value: 1468 mg/m³, 400 ppm

Long-term value: 734 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:**

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:**



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.

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Protection of hands:

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Breakthrough time of glove material

The exact break through 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**Information on basic 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:	56 °C

Flash point: <0 °C (DIN EN ISO 1523:2002)

Flammability (solid, gas): Not applicable.

Ignition temperature: 235 °C (DIN 51794)

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: In use, may form flammable/explosive vapour-air mixture.

Explosion limits:

Lower:	2.6 Vol %
Upper:	18.6 Vol %

Vapour pressure at 20 °C: 5,200 hPa

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· Density at 20 °C:	~0.919 g/cm ³ (DIN EN ISO 2811-1)
· 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:	
Water:	0.1 %
VOC (EC)	59.95 %
Solids content (weight-%):	40.0 %
· 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**
- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Strong irritant with the danger of severe eye injury.
- **Respiratory or skin sensitisation** Sensitisation possible through skin contact.
- **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.

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- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **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.
 Must not reach sewage water or drainage ditch undiluted or unneutralised.
 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:**
 Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14 Transport information

- | | |
|---|---------------------|
| · UN-Number | UN1950 |
| · ADR, IMDG, IATA | |
| · UN proper shipping name | UN1950 AEROSOLS |
| · ADR | AEROSOLS |
| · IMDG | AEROSOLS, flammable |
| · IATA | |
| · Transport hazard class(es) | |
| · ADR | |
|  | |
| · Class | 2 5F Gases. |
| · Label | 2.1 |
| · IMDG, IATA | |
|  | |
| · Class | 2.1 |
| · Label | 2.1 |
| · Packing group | |
| · ADR, IMDG, IATA | Void |

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· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Gases.
· Hazard identification number (Kemler code):	-
· 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. 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.
· Segregation Code	
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· 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**

115-10-6	dimethyl ether	HSR000995
67-64-1	acetone	HSR001070
141-78-6	ethyl acetate	HSR001041
57472-68-1	Dipropyleneglocyl diacrylate	HSR003526
52408-84-1	Glycerol, propoxylated, esters with acrylic acid	HSR003630
7779-90-0	Trizinc bis(orthophosphate)	HSR003554

· **GHS label elements**

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

· **Hazard pictograms**



GHS02 GHS05 GHS07

NEW ZEALAND:

Class 2.1.2A Flammable Aerosol
Class 6.3B Skin Irritant
Class 6.5B Skin Allergic
Class 6.9B Narcotic Effects
Class 8.3A Eye Corrosive
Class 9.1C Aqua Toxic

HSR002515 Aerosols (Flammable)

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· **Signal word** *Danger*· **Hazard-determining components of labelling:***Dipropylenglycol diacrylate**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide*· **Hazard statements***H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.**H316 Causes mild skin irritation.**H318 Causes serious eye damage.**H317 May cause an allergic skin reaction.**H336 May cause drowsiness or dizziness.**H412 Harmful to aquatic life with long lasting effects.*· **Precautionary statements***P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P310 Immediately call a POISON CENTER/doctor.**P321 Specific treatment (see on this label).**P362+P364 Take off contaminated clothing and wash it before reuse.**P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.*· **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***H220 Extremely flammable gas.**H225 Highly flammable liquid and vapour.**H280 Contains gas under pressure; may explode if heated.**H315 Causes skin irritation.**H317 May cause an allergic skin reaction.**H318 Causes serious eye damage.**H319 Causes serious eye irritation.**H336 May cause drowsiness or dizziness.**H361 Suspected of damaging fertility or the unborn child.**H400 Very toxic to aquatic life.**H410 Very toxic to aquatic life with long lasting effects.**H411 Toxic to aquatic life with long lasting effects.**H413 May cause long lasting harmful effects to aquatic life.*

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· Contact:**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

Flam. Gas 1: Flammable gases – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas L: Gases under pressure – Liquefied gas

Flam. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Skin Corr. 3: Skin corrosion/irritation – Category 3

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Skin Sens. 1B: Skin sensitisation – Category 1B

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic 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

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4