

## 1 Identification of the substance or mixture and of the supplier

· **Other means of identification**

· **Trade name:** *Mipa P 113 PE-Leichtspachtel fein*

· **Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture** *Knife filler/ Surfacer*

· **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](mailto:sdb-registratur@mipa-paints.com)

[www.mipa-paints.com](http://www.mipa-paints.com)

· **Emergency telephone number:** *International emergency number: +49(0)700 24112112 (MIP)*

**Importer in New Zealand:**

RJP Performance Coatings

(RA Johnstone & Co Ltd)

33 Ha Crescent, Wiri

Auckland 2104 New Zealand

Phone 09 25000 90

Email [sales@raj.co.nz](mailto:sales@raj.co.nz)

Web [www.raj.co.nz](http://www.raj.co.nz)

## 2 Hazards identification

· **Classification of the substance or mixture**



GHS02 flame

Flammable liquids Category 3

H226 Flammable liquid and vapour.



GHS08 health hazard

Reproductive toxicity Category 2

H361 Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - repeated exposure Category 1

H372 Causes damage to the hearing organs through prolonged or repeated exposure.



GHS07

Skin irritation Category 2

H315 Causes skin irritation.

Eye irritation Category 2

H319 Causes serious eye irritation.

Skin sensitisation Category 1

H317 May cause an allergic skin reaction.

· **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:**

Styrene

Maleic anhydride

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**Trade name: Mipa P 113 PE-Leichtspachtel fein**

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**Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to the hearing organs through prolonged or repeated exposure.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

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:**

100-42-5	Styrene ⚠ Flammable liquids Category 3, H226; ⚠ Reproductive toxicity Category 2, H361; Specific target organ toxicity - repeated exposure Category 1, H372; Aspiration hazard Category 1, H304; ⚠ Acute inhalation toxicity Category 4, H332; Skin irritation Category 2, H315; Eye irritation Category 2, H319; Specific target organ toxicity - single exposure Category 3, H335; Hazardous to the aquatic environment chronic Category 3, H412	≥10-≤20%
91-99-6	2,2'-(m-Tolylimino)diethanol ⚠ Specific target organ toxicity - repeated exposure Category 2, H373; ⚠ Serious eye damage Category 1, H318; ⚠ Acute oral toxicity Category 4, H302; Skin irritation Category 2, H315; Skin sensitisation Sub-category 1B, H317	≥0.1-<1%

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	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]- ⚠ Serious eye damage Category 1, H318; ⚠ Acute oral toxicity Category 4, H302; Skin irritation Category 2, H315; Skin sensitisation Category 1, H317; Hazardous to the aquatic environment chronic Category 3, H412	≥0.1-<1%
108-31-6	Maleic anhydride ⚠ Respiratory sensitisation Category 1, H334; Specific target organ toxicity - repeated exposure Category 1, H372; ⚠ Skin corrosion Category 1B, H314; ⚠ Serious eye damage Category 1, H318; ⚠ Acute oral toxicity Category 4, H302; Skin sensitisation Sub-category 1A, H317	≥0.001-<0.1%

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

#### 4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **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.
- **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:**  
CO<sub>2</sub>, 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.
- **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 to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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**Trade name: Mipa P 113 PE-Leichtspachtel fein**

See Section 13 for disposal information.

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## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

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

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

### 100-42-5 Styrene

WES (New Zealand)	Short-term value: 170 mg/m <sup>3</sup> , 40 ppm Long-term value: 85 mg/m <sup>3</sup> , 20 ppm suspected carcinogen, oto
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### 108-31-6 Maleic anhydride

WES (New Zealand)	Long-term value: 0.01 mg/m <sup>3</sup> , 0.0025 ppm sen, inhalable fraction and vapour
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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.
- **Respiratory protection:**



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

- **Protection of hands:**  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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**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:**

**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:**

145.2 °C

**Flash point:**

31 °C (DIN EN ISO 1523:2002)

**Flammability**

Flammable.

**Auto-ignition temperature:**

490 °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 Vol %

**Upper:**

7.7 Vol %

**Vapour pressure at 20 °C:**

6 hPa

**Vapour pressure at 50 °C:**

35 hPa

**Density at 20 °C:**

 0.994 g/cm<sup>3</sup> (DIN EN ISO 2811-1)

**Relative density**

Not determined.

**Vapour density**

Not determined.

**Evaporation rate**

Not determined.

**Solubility in / Miscibility with**
**water:**

Not miscible or difficult to mix.

**Partition coefficient: n-octanol/water:**

Not determined.

**Viscosity:**
**Dynamic at 20 °C:**

42,500-47,500 mPas

**Kinematic:**

Not determined.

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- **Solvent content:**
- **VOC (EC)** 1.21 %
- **Solids content (weight-%):** 80.3 %
- **Other information**
- **Particle characteristics** Not applicable.
- **Physical state** Liquid

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide

### 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:**

#### 100-42-5 Styrene

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	11.8 mg/l (rat)

#### Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-

Oral	LD50	619 mg/kg (rat)
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#### 108-31-6 Maleic anhydride

Oral	LD50	1,090 mg/kg (rat)
Dermal	LD50	2,620 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Suspected of damaging fertility or the unborn child.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
Causes damage to the hearing 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.

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- **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:**  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

### 14 Transport information

- |   |                             |
|---|-----------------------------|
| · <b>UN-Number</b>  |                             |
| · <b>NZS/RID/ADN, IMDG, IATA</b>  | UN3269                      |
| · <b>UN proper shipping name</b>  |                             |
| · <b>NZS/RID/ADN</b>  | UN3269 POLYESTER RESIN KIT  |
| · <b>IMDG, IATA</b>   | POLYESTER RESIN KIT         |
| · <b>Transport hazard class(es)</b>   |                             |
| · <b>NZS/RID/ADN</b>  |                             |
|  |                             |
| · <b>Class</b>  | 3 (F3) Flammable liquids.   |
| · <b>Label</b>  | 3                           |
| · <b>IMDG, IATA</b>   |                             |
|  |                             |
| · <b>Class</b>  | 3 Flammable liquids.        |
| · <b>Label</b>  | 3                           |
| · <b>Packing group</b>  |                             |
| · <b>NZS/RID/ADN, IMDG, IATA</b>  | III                         |
| · <b>Environmental hazards:</b>   | Not applicable.             |
| · <b>Special precautions for user</b>   | Warning: Flammable liquids. |

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· <b>Hazard identification number (Kemler code):</b> -	
· <b>EMS Number:</b>	F-E,S-D
· <b>Stowage Category</b>	A
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>NZS/RID/ADN</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>UN "Model Regulation":</b>	UN 3269 POLYESTER RESIN KIT, 3, III

**15 Regulatory information**

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

· **HSNO Approval numbers**

100-42-5 Styrene

HSR001221

· **GHS label elements**

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

· **Hazard pictograms**



GHS02 GHS07 GHS08

**NEW ZEALAND:**

HSR002662 Surface Coatings and Colourants (Flammable)

· **Signal word** Danger

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

Styrene

Maleic anhydride

· **Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to the hearing organs through prolonged or repeated exposure.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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.

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P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

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 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 %
I	10-25
NK	<2.5

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### · Relevant phrases

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

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.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

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

H412 Harmful to aquatic life with long lasting effects.

### · Contact:

### · Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flammable liquids Category 3: Flammable liquids – Category 3

Acute inhalation toxicity Category 4: Acute toxicity – Category 4

Skin corrosion Category 1B: Skin corrosion/irritation – Category 1B

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

Serious eye damage Category 1: Serious eye damage/eye irritation – Category 1

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

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*Respiratory sensitisation Category 1: Respiratory sensitisation – Category 1*

*Skin sensitisation Category 1: Skin sensitisation – Category 1*

*Skin sensitisation Sub-category 1A: Skin sensitisation – Category 1A*

*Skin sensitisation Sub-category 1B: Skin sensitisation – Category 1B*

*Reproductive toxicity Category 2: Reproductive toxicity – Category 2*

*Specific target organ toxicity - single exposure Category 3: Specific target organ toxicity (single exposure) – Category 3*

*Specific target organ toxicity - repeated exposure Category 1: Specific target organ toxicity (repeated exposure) – Category 1*

*Specific target organ toxicity - repeated exposure Category 2: Specific target organ toxicity (repeated exposure) – Category 2*

*Aspiration hazard Category 1: Aspiration hazard – Category 1*

*Hazardous to the aquatic environment chronic Category 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

NZ