

## 1 Identification

- **Product identifier**
  - **Trade name: Mipa 2K-HS-Fillprimer**
  - **Application of the substance / the mixture** Filler and surfacer
  - **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](mailto:sdb-registratur@mipa-paints.com)  
[www.mipa-paints.com](http://www.mipa-paints.com)
  - **Emergency telephone number:**  
International: 011 49(0)700 24112112 (MIP)  
US: +1 872 5888271 (MIP)  
US Emergency Telephone Number (for transportation incidents only): 1-800-535-5053 (Infotrac)
- Fleetwood Products Inc.  
13 American Way Suite 15  
USA - NJ 08884 Spotswood  
Tel.: +1 7324169590  
e.mail: [fleet089@hotmail.com](mailto:fleet089@hotmail.com)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 2

H225 Highly flammable liquid and vapor.



GHS07

Sensitization - Skin 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Danger

- **Hazard-determining components of labeling:**

n-Butyl acetate

maleic anhydride

Methyl ethyl ketone

2-Methoxy-1-methylethyl acetate

- **Hazard statements**

H225 Highly flammable liquid and vapor.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P210

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

P261

Avoid breathing dust/fume/gas/mist/vapors/spray

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**Trade name: Mipa 2K-HS-Fillprimer**

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- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**3 Composition/information on ingredients**

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

123-86-4	n-Butyl acetate	≤20%
78-93-3	Methyl ethyl ketone	2.5-<10%
108-65-6	2-Methoxy-1-methylethyl acetate	2.5-<10%
85711-46-2	Fatty acids, C14-18 and C16-18-unsatd., maleated	≥0.1-<1%
108-31-6	maleic anhydride	≥0.001-<0.1%

**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. 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.

USA

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## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing 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.
- **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.
- **Protective Action Criteria for Chemicals**

### · PAC-1:

123-86-4	n-Butyl acetate	5 ppm
7727-43-7	Barium sulphate, natural	15 mg/m <sup>3</sup>
13463-67-7	Titanium dioxide	30 mg/m <sup>3</sup>
78-93-3	Methyl ethyl ketone	200 ppm
1317-61-9	Triiron tetraoxide	21 mg/m <sup>3</sup>
108-65-6	2-Methoxy-1-methylethyl acetate	50 ppm
112945-52-5	Silicon dioxide	18 mg/m <sup>3</sup>
111-76-2	2-Butoxyethanol	60 ppm
868-77-9	2-Hydroxyethyl methacrylate	1.9 mg/m <sup>3</sup>
107-98-2	1-methoxy-2-propanol	100 ppm
80-62-6	methyl methacrylate	17 ppm
108-83-8	2,6-dimethylheptan-4-one	75 ppm
1333-86-4	Carbon black	9 mg/m <sup>3</sup>
112-07-2	2-Butoxyethyl acetate	15 ppm
108-31-6	maleic anhydride	0.2 ppm
34590-94-8	Dipropylene glycol monomethyl ether	150 ppm

### · PAC-2:

123-86-4	n-Butyl acetate	200 ppm
7727-43-7	Barium sulphate, natural	170 mg/m <sup>3</sup>
13463-67-7	Titanium dioxide	330 mg/m <sup>3</sup>
78-93-3	Methyl ethyl ketone	2700* ppm
1317-61-9	Triiron tetraoxide	230 mg/m <sup>3</sup>
108-65-6	2-Methoxy-1-methylethyl acetate	1,000 ppm

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112945-52-5	Silicon dioxide	100 mg/m <sup>3</sup>
111-76-2	2-Butoxyethanol	120 ppm
868-77-9	2-Hydroxyethyl methacrylate	21 mg/m <sup>3</sup>
107-98-2	1-methoxy-2-propanol	160 ppm
80-62-6	methyl methacrylate	120 ppm
108-83-8	2,6-dimethylheptan-4-one	330 ppm
1333-86-4	Carbon black	99 mg/m <sup>3</sup>
112-07-2	2-Butoxyethyl acetate	35 ppm
108-31-6	maleic anhydride	2 ppm
34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm

**PAC-3:**

123-86-4	n-Butyl acetate	3000* ppm
7727-43-7	Barium sulphate, natural	990 mg/m <sup>3</sup>
13463-67-7	Titanium dioxide	2,000 mg/m <sup>3</sup>
78-93-3	Methyl ethyl ketone	4000* ppm
1317-61-9	Triiron tetraoxide	1,400 mg/m <sup>3</sup>
108-65-6	2-Methoxy-1-methylethyl acetate	5000* ppm
112945-52-5	Silicon dioxide	630 mg/m <sup>3</sup>
111-76-2	2-Butoxyethanol	700 ppm
868-77-9	2-Hydroxyethyl methacrylate	1,000 mg/m <sup>3</sup>
107-98-2	1-methoxy-2-propanol	660 ppm
80-62-6	methyl methacrylate	570 ppm
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
1333-86-4	Carbon black	590 mg/m <sup>3</sup>
112-07-2	2-Butoxyethyl acetate	210 ppm
108-31-6	maleic anhydride	20 ppm
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm

## 7 Handling and storage

**· Handling:**
**· Precautions for safe handling**

Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.

**· Information about protection against explosions and fires:**

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:** Store in a cool location.  
**· Information about storage in one common storage facility:** Store away from foodstuffs.  
**· Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

**· 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 systems:** No further data; see item 7.

· **Control parameters**

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

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

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

PEL Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

REL Short-term value: 950 mg/m<sup>3</sup>, 200 ppm

Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

TLV Short-term value: 150 ppm

Long-term value: 50 ppm

**78-93-3 Methyl ethyl ketone**

PEL Long-term value: 590 mg/m<sup>3</sup>, 200 ppm

REL Short-term value: 885 mg/m<sup>3</sup>, 300 ppm

Long-term value: 590 mg/m<sup>3</sup>, 200 ppm

TLV Short-term value: 300 ppm

Long-term value: 200 ppm

BEI

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

WEEL Long-term value: 50 ppm

**108-31-6 maleic anhydride**

PEL Long-term value: 1 mg/m<sup>3</sup>, 0.25 ppm

REL Long-term value: 1 mg/m<sup>3</sup>, 0.25 ppm

TLV Long-term value: 0.01\* mg/m<sup>3</sup>

DSEN, RSEN;\*inh. fraction + vapor, A4

· **Ingredients with biological limit values:**

**78-93-3 Methyl ethyl ketone**

BEI 2 mg/L

Medium: urine

Time: end of shift

Parameter: Methyl ethyl ketone (nonspecific)

· **Additional information:** The lists that were valid during the creation 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.

· **Breathing equipment:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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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

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  
**Color:** According to product specification

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 124-128 °C (255.2-262.4 °F)

· **Flash point:** 9 °C (48.2 °F) (DIN EN ISO 1523:2002)

· **Flammability (solid, gaseous):** Highly flammable.

· **Ignition temperature:** 370 °C (698 °F) (DIN 51794)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

**Lower:** 1.2 Vol %  
**Upper:** 7.5 Vol %

· **Vapor pressure at 20 °C (68 °F):** 10.7 hPa (8 mm Hg)

· **Density at 20 °C (68 °F):** 1.563 g/cm<sup>3</sup> (13.043 lbs/gal) (DIN EN ISO 2811-1)

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· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 20 °C (68 °F):</b>	170 s (DIN 53211/4)
· <b>Solvent content:</b>	
<b>VOC content:</b>	28.79 % 450 g/l / 3.8 lb/gal
<b>Solids content (weight-%):</b>	71.2 %
· <b>Other information</b>	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:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**

13463-67-7	Titanium dioxide	2B
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- **NTP (National Toxicology Program)**

None of the ingredients is listed.
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- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.
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USA

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## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior 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 (Self-assessment): 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 of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information


- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1263
- **UN proper shipping name**
- **DOT** Paint
- **ADR** UN1263 PAINT
- **IMDG, IATA** PAINT
- **Transport hazard class(es)**
- **DOT**
- 
- **Class** 3 Flammable liquids
- **Label** 3
- **ADR**
- 
- **Class** 3 (F1) Flammable liquids

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**Trade name: Mipa 2K-HS-Fillprimer**

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· <b>Label</b>	3
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	3 Flammable liquids
· <b>Label</b>	3
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	II
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Warning: Flammable liquids
· <b>Hazard identification number (Kemler code):</b>	33
· <b>EMS Number:</b>	F-E, S-E
· <b>Stowage Category</b>	B
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>UN "Model Regulation":</b>	UN 1263 PAINT, 3, II

**15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

7727-43-7 Barium sulphate, natural

111-76-2 2-Butoxyethanol

80-62-6 methyl methacrylate

112-07-2 2-Butoxyethyl acetate

108-31-6 maleic anhydride

· **Hazardous Air Pollutants**

80-62-6 methyl methacrylate

108-31-6 maleic anhydride

· **Proposition 65**

· **Chemicals known to cause cancer:**

13463-67-7 Titanium dioxide

1333-86-4 Carbon black

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**· Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**· Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**· Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**· Cancerogeny categories**
**· EPA (Environmental Protection Agency)**

7727-43-7	Barium sulphate, natural	D, CBD(inh), NL(oral)	
78-93-3	Methyl ethyl ketone	I	
111-76-2	2-Butoxyethanol	NL	
80-62-6	methyl methacrylate	E, NL	

**· TLV (Threshold Limit Value)**

13463-67-7	Titanium dioxide	A4	10-25%
111-76-2	2-Butoxyethanol	A3	<0.1%
80-62-6	methyl methacrylate	A4	<0.1%
1333-86-4	Carbon black	A4	<0.1%
14807-96-6	Talc	A4	<0.1%
112-07-2	2-Butoxyethyl acetate	A3	<0.1%
108-31-6	maleic anhydride	A4	≥0.001-<0.1%

**· NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7	Titanium dioxide
1333-86-4	Carbon black

**· GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**· Hazard pictograms**


GHS02 GHS07

**· Signal word** Danger

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

*n*-Butyl acetate  
 maleic anhydride  
 Methyl ethyl ketone  
 2-Methoxy-1-methylethyl acetate

**· Hazard statements**

H225 Highly flammable liquid and vapor.  
 H317 May cause an allergic skin reaction.  
 H336 May cause drowsiness or dizziness.

**· Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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P312 Call a poison center/doctor if you feel unwell.

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· **National regulations:**

· **Additional classification according to Decree on Hazardous Materials:**

Class	Share in %
NK	25-50

· **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.

· **Contact:**

· **Date of preparation / last revision 02/28/2023**

· **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

DOT: US Department of Transportation

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flammable Liquids 2: Flammable liquids – Category 2

Sensitization - Skin 1: Skin sensitisation – Category 1

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

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