Safety Data Sheet
acc. to OSHA HCS

Printing date 02/28/2023 Reviewed on 02/28/2023

*
1 Identification

· **Product identifier**

· **Trade name: Mipa PUR HS 2K-PUR-Acryl-Fahrzeuglack**
· **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

Fleetwood Products Inc.
13 American Way Suite 15
USA - NJ 08884 Spotswood
Tel.: +1 7324169590
e.mail: fleet089@hotmail.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)

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2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS02 Flame

Flammable Liquids 3 — H226 Flammable liquid and vapor.

GHS08 Health hazard

Toxic to Reproduction 2 — H361 Suspected of damaging fertility or the unborn child.

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 GHS08

· **Signal word** Warning

· **Hazard-determining components of labeling:**
n-Butyl acetate
Reaction mass of pentamethyl-piperidyl sebacate
isobutyl methacrylate
2-Hydroxyethyl methacrylate

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· **Hazard statements**
H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
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.
P312 Call a poison center/doctor if you feel unwell.
· **Classification system:**
· **NFPA ratings (scale 0 - 4)**

Health = 0
Fire = 3
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = 0
Fire = 3
Reactivity = 0

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

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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%
108-65-6	2-Methoxy-1-methylethyl acetate	2.5-<10%
112-07-2	2-Butoxyethyl acetate	1-<2.5%
64742-95-6	Hydrocarbons, C9, aromatics	1-<2.5%
	Reaction mass of pentamethyl-piperidyl sebacate	≥0.1-<1%

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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.

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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:**
CO_2, 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.

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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.
· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
123-86-4	n-Butyl acetate	5 ppm
7727-43-7	Barium sulphate, natural	15 mg/m³
108-65-6	2-Methoxy-1-methylethyl acetate	50 ppm
1309-37-1	Diiron trioxide	15 mg/m³
112-07-2	2-Butoxyethyl acetate	15 ppm
104-76-7	2-Ethyl-1-hexanol	0.1 ppm
108-83-8	2,6-dimethylheptan-4-one	75 ppm
64-17-5	ethanol	1,800 ppm
77-58-7	dibutyltin dilaurate	1.1 mg/m³
1330-20-7	Xylene	130 ppm
100-41-4	Ethylbenzene	33 ppm
111-46-6	2,2'-oxybisethanol	6.9 ppm
78-83-1	Isobutanol	150 ppm
14808-60-7	Quartz (SiO2)	0.075 mg/m³
556-67-2	octamethylcyclotetrasiloxane	30 ppm
108-31-6	maleic anhydride	0.2 ppm

· **PAC-2:**		
123-86-4	n-Butyl acetate	200 ppm

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7727-43-7	Barium sulphate, natural	170 mg/m³
108-65-6	2-Methoxy-1-methylethyl acetate	1,000 ppm
1309-37-1	Diiron trioxide	360 mg/m³
112-07-2	2-Butoxyethyl acetate	35 ppm
104-76-7	2-Ethyl-1-hexanol	100 ppm
108-83-8	2,6-dimethylheptan-4-one	330 ppm
64-17-5	ethanol	3300* ppm
77-58-7	dibutyltin dilaurate	8 mg/m³
1330-20-7	Xylene	920* ppm
100-41-4	Ethylbenzene	1100* ppm
111-46-6	2,2'-oxybisethanol	140 ppm
78-83-1	Isobutanol	1,300 ppm
14808-60-7	Quartz (SiO2)	33 mg/m³
556-67-2	octamethylcyclotetrasiloxane	68 ppm
108-31-6	maleic anhydride	2 ppm

· **PAC-3:**

123-86-4	n-Butyl acetate	3000* ppm
7727-43-7	Barium sulphate, natural	990 mg/m³
108-65-6	2-Methoxy-1-methylethyl acetate	5000* ppm
1309-37-1	Diiron trioxide	2,200 mg/m³
112-07-2	2-Butoxyethyl acetate	210 ppm
104-76-7	2-Ethyl-1-hexanol	200 ppm
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
64-17-5	ethanol	15000* ppm
77-58-7	dibutyltin dilaurate	48 mg/m³
1330-20-7	Xylene	2500* ppm
100-41-4	Ethylbenzene	1800* ppm
111-46-6	2,2'-oxybisethanol	860 ppm
78-83-1	Isobutanol	8000* ppm
14808-60-7	Quartz (SiO2)	200 mg/m³
556-67-2	octamethylcyclotetrasiloxane	130 ppm
108-31-6	maleic anhydride	20 ppm

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7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Use only in well ventilated areas.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

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· **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:**
Store in dry conditions.
Keep receptacle tightly sealed.
· **Storage class:** 3
· **Specific end use(s)** No further relevant information available.

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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 other constituents have no known exposure limits.

123-86-4 n-Butyl acetate	
PEL	Long-term value: 710 mg/m³, 150 ppm
REL	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm
TLV	Short-term value: 150 ppm Long-term value: 50 ppm
108-65-6 2-Methoxy-1-methylethyl acetate	
WEEL	Long-term value: 50 ppm
112-07-2 2-Butoxyethyl acetate	
REL	Long-term value: 33 mg/m³, 5 ppm
TLV	Long-term value: 20 ppm A3

· **Additional information:** The lists that were valid during the creation 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.
Store protective clothing separately.
· **Breathing equipment:**
Filter A/P2

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.

· **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

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 ≤ 3
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **As protection from splashes gloves made of the following materials are suitable:** PVA gloves

· **Eye protection:**

Tightly sealed goggles

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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:**	26 °C (78.8 °F) (DIN 53213)
· **Flammability (solid, gaseous):**	Flammable.
· **Ignition temperature:**	315 °C (599 °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)

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· **Density at 20 °C (68 °F):**	1.182 g/cm³ (9.864 lbs/gal) (DIN 53217)
· **Relative density**	Not determined.
· **Vapor 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 (68 °F):	>60 s (ISO 6 mm)
· **Solvent content:**	
VOC content:	26.40 % 312 g/l / 2.6 lb/gal
Solids content (weight-%):	73.6 %
· **Other information**	No further relevant information available.

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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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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)**		
1309-37-1	Diiron trioxide	3

· **NTP (National Toxicology Program)**		
14808-60-7	Quartz (SiO2)	K

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

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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.

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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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· **Label**	3
· **IMDG, IATA**	
	
· **Class**	3 Flammable liquids
· **Label**	3
· **Packing group**	
· **DOT, ADR, IMDG, IATA**	III
· **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 MARPOL73/78 and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Limited quantities (LQ)**	5L
· **Remarks:**	≤ 450 l: -
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Remarks:**	≤ 30 l: -
· **UN "Model Regulation":**	UN 1263 PAINT, 3, III

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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
112-07-2	2-Butoxyethyl acetate
1330-20-7	Xylene
100-41-4	Ethylbenzene
108-31-6	maleic anhydride

· **Hazardous Air Pollutants**

1330-20-7	Xylene
100-41-4	Ethylbenzene
108-31-6	maleic anhydride

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· **Proposition 65**

· **Chemicals known to cause cancer:**	
100-41-4	Ethylbenzene
14808-60-7	Quartz (SiO2)

· **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:**	
64-17-5	ethanol

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**		
7727-43-7	Barium sulphate, natural	D, CBD(inh), NL(oral)
1330-20-7	Xylene	I
100-41-4	Ethylbenzene	D

· **TLV (Threshold Limit Value)**			
1309-37-1	Diiron trioxide	A4	<2.5%
112-07-2	2-Butoxyethyl acetate	A3	1-<2.5%
1332-58-7	Kaolin	A4	<0.1%
64-17-5	ethanol	A3	<0.1%
77-58-7	dibutyltin dilaurate	A4	<0.1%
1330-20-7	Xylene	A4	<0.1%
100-41-4	Ethylbenzene	A3	<0.1%
14808-60-7	Quartz (SiO2)	A2	<0.1%
108-31-6	maleic anhydride	A4	<0.001%

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**	
14808-60-7	Quartz (SiO2)

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Warning

· **Hazard-determining components of labeling:**
n-Butyl acetate
Reaction mass of pentamethyl-piperidyl sebacate
isobutyl methacrylate
2-Hydroxyethyl methacrylate
· **Hazard statements**
H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H336 May cause drowsiness or dizziness.
· **Precautionary statements**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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

· **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.

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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:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
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
Flammable Liquids 3: Flammable liquids – Category 3
Sensitization - Skin 1: Skin sensitisation – Category 1
Toxic to Reproduction 2: Reproductive toxicity – Category 2
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
· *** Data compared to the previous version altered.**