

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

**1 Identification**

- Product identifier
- Trade name: Epifanes Interimcoat (comp.A)
- Application of the substance / the mixture  
See our technical datasheet for application of this product.
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
W.Heeren & Zoon bv.  
P.O. box 166  
1430 AD Aalsmeer  
Netherlands  
tel.+31 297-360666  
fax.+31 297-342078  
email:info@epifanes.nl
- Information department: Research & Development.
- Emergency telephone number:  
Emergency Phone Number (24 hours) CHEMTREC (800-424-9300)  
Outside US: 703-527-3887

**2 Hazard(s) identification**

- Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.

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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

- Label elements

- GHS label elements

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

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· Hazard pictograms



· Signal word Danger

· Hazard-determining components of labeling:

4-methylpentan-2-one  
Xylene  
titanium dioxide  
Quartz (SiO<sub>2</sub>)

· Hazard statements

H225 Highly flammable liquid and vapor.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements

P210                    Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P260                    Do not breathe dust/fume/gas/mist/vapors/spray.  
P271                    Use only outdoors or in a well-ventilated area.  
P280                    Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310            If swallowed: Immediately call a poison center/doctor.  
P303+P361+P353    If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P501                    Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2  
Fire = 3  
Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2  
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:  
Resin mixture  
Solvent mixture with pigment additives

· Dangerous components:

CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO <sub>2</sub> ) ☠ STOT RE 2, H373	10-25%
CAS: 1330-20-7 EINECS: 215-535-7	Xylene ☠ 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. 2A, H319; STOT SE 3, H335	10-25%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide ☠ Carc. 2, H351	10-25%
CAS: 108-10-1 EINECS: 203-550-1 Index number: 606-004-00-4	4-methylpentan-2-one ☠ Flam. Liq. 2, H225 ☠ Carc. 2, H351 ☠ Acute Tox. 4, H332; Eye Irrit. 2A, H319; STOT SE 3, H335	10-25%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3	butanone ☠ Flam. Liq. 2, H225 ☠ Eye Irrit. 2A, H319; STOT SE 3, H336	2.5-10%

- 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:  
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:  
Immediately wash with water and soap and rinse thoroughly.  
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.

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- 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<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  
During heating or in case of fire poisonous gases are produced.
- Advice for firefighters
- Protective equipment:  
Wear fully protective suit.  
Mouth respiratory protective device.

**6 Accidental release measures**

- Personal precautions, protective equipment and emergency procedures  
Ensure adequate ventilation  
Wear protective clothing.  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:  
Prevent seepage into sewage system, workpits and cellars.  
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:

14808-60-7	Quartz (SiO <sub>2</sub> )	0.075 mg/m <sup>3</sup>
13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
108-10-1	4-methylpentan-2-one	75 ppm
25036-25-3	phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]	12 mg/m <sup>3</sup>
78-93-3	butanone	200 ppm
7631-86-9	silicon dioxide, chemically prepared	18 mg/m <sup>3</sup>
107-98-2	1-methoxy-2-propanol	100 ppm

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· PAC-2:		
14808-60-7	Quartz (SiO <sub>2</sub> )	33 mg/m <sup>3</sup>
13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
108-10-1	4-methylpentan-2-one	500 ppm
25036-25-3	phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]	130 mg/m <sup>3</sup>
78-93-3	butanone	2700* ppm
7631-86-9	silicon dioxide, chemically prepared	740 mg/m <sup>3</sup>
107-98-2	1-methoxy-2-propanol	160 ppm

· PAC-3:		
14808-60-7	Quartz (SiO <sub>2</sub> )	200 mg/m <sup>3</sup>
13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>
108-10-1	4-methylpentan-2-one	3000* ppm
25036-25-3	phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]	790 mg/m <sup>3</sup>
78-93-3	butanone	4000* ppm
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m <sup>3</sup>
107-98-2	1-methoxy-2-propanol	660 ppm

**7 Handling and storage**

- Handling:
- Precautions for safe handling  
Work only in fume cabinet.  
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.  
Keep respiratory protective device available.
- Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles:  
Store only in the original receptacle.  
Store in a cool location.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- 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 remaining constituent has no known exposure limits.

14808-60-7 Quartz (SiO<sub>2</sub>)

PEL	Long-term value: 0.05* mg/m <sup>3</sup> *resp. dust; 30mg/m <sup>3</sup> /%SiO <sub>2</sub> +2
REL	Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m <sup>3</sup> *as respirable fraction

1330-20-7 Xylene

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

108-10-1 4-methylpentan-2-one

PEL	Long-term value: 410 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 300 mg/m <sup>3</sup> , 75 ppm Long-term value: 205 mg/m <sup>3</sup> , 50 ppm
TLV	Short-term value: 307 mg/m <sup>3</sup> , 75 ppm Long-term value: 82 mg/m <sup>3</sup> , 20 ppm BEI

78-93-3 butanone

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: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm BEI

14808-60-7 Quartz (SiO<sub>2</sub>)

PEL	Long-term value: 0.05* mg/m <sup>3</sup> *resp. dust; 30mg/m <sup>3</sup> /%SiO <sub>2</sub> +2
REL	Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m <sup>3</sup> *as respirable fraction

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1330-20-7 Xylene

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

108-10-1 4-methylpentan-2-one

PEL	Long-term value: 410 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 300 mg/m <sup>3</sup> , 75 ppm Long-term value: 205 mg/m <sup>3</sup> , 50 ppm
TLV	Short-term value: 307 mg/m <sup>3</sup> , 75 ppm Long-term value: 82 mg/m <sup>3</sup> , 20 ppm BEI

78-93-3 butanone

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: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm BEI

· Regulatory information

- PEL: Guide to Occupational Exposure Values (OSHA PELs)
- REL: Guide to Occupational Exposure Values (NIOSH RELs)
- TLV: Guide to Occupational Exposure Values (ACGIH)

· Ingredients with biological limit values:

108-10-1 4-methylpentan-2-one

BEI	1 mg/L Medium: urine Time: end of shift Parameter: MIBK
-----	--

78-93-3 butanone

BEI	2 mg/L Medium: urine Time: end of shift Parameter: MEK
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· 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.
- Avoid contact with the eyes and skin.

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- Breathing equipment:  
Suitable respiratory protective device recommended.  
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.  
Filter AX
- Protection of hands:



Protective gloves

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

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

- 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.
- Penetration 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.
- For the permanent contact gloves made of the following materials are suitable: Butyl rubber, glove thickness 0.7 mm, > 480 min breakthrough time / permeation to EN374.
- As protection from splashes gloves made of the following materials are suitable:  
Nitrile  
Glove thickness > 0.45 mm, breakthrough time > 30 min. to EN374
- 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.

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· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	116 °C (240.8 °F)
· Flash point:	21 °C (69.8 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	460 °C (860 °F)
· 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:	1.7 Vol %
Upper:	9 Vol %
· Vapor pressure at 20 °C (68 °F):	8 hPa (6 mm Hg)
· Density at 20 °C (68 °F):	1.37 g/cm <sup>3</sup> (11.43265 lbs/gal)
· 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):	120 s (ISO 6 mm)
· Solvent content:	
Organic solvents:	36.7 %
VOC content:	36.68 %
	VOC content: 502.5 g/l / 4.19 lb/gal
Solids content:	62.5 %
· 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.

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- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

**11 Toxicological information**

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:

13463-67-7 titanium dioxide

Oral	LD50	>20,000 mg/kg bw (rat)
Dermal	LD50	>10,000 mg/kg bw (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

108-10-1 4-methylpentan-2-one

Oral	LD50	2,080 mg/kg bw (rat)
Dermal	LD50	16,000 mg/kg bw (rab)
Inhalative	LC50/4 h	8.3-16.6 mg/l (rat)

78-93-3 butanone

Oral	LD50	3,300 mg/kg bw (rat)
Dermal	LD50	5,000 mg/kg bw (rabbit)

- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- 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)

14808-60-7	Quartz (SiO <sub>2</sub> )	1
13463-67-7	titanium dioxide	2B
108-10-1	4-methylpentan-2-one	2B
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	3
7631-86-9	silicon dioxide, chemically prepared	3

· NTP (National Toxicology Program)

14808-60-7	Quartz (SiO <sub>2</sub> )	K
------------	----------------------------	---

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

**12 Ecological information**

- Toxicity
- Aquatic toxicity: No further relevant information available.

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- 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 2 (Self-assessment): 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 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
  - UN proper shipping name
  - DOT
  - ADR
  - IMDG
  - IATA
- |  |                           |
|--|---------------------------|
|  | UN1263                    |
|  | CONSUMER COMMODITY, ORM-D |
|  | Paint                     |
|  | 1263 PAINT                |
|  | CONSUMER COMMODITY, ORM-D |
|  | PAINT                     |
|  | PAINT                     |

- Transport hazard class(es)
- DOT



- Class
  - Label
- |  |                     |
|--|---------------------|
|  | 3 Flammable liquids |
|  | 3                   |

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· ADR



· Class 3 (F1) Flammable liquids  
· Label 3

· IMDG, IATA



· Class 3 Flammable liquids  
· Label 3

· Packing group  
· DOT, ADR, IMDG, IATA III

· Environmental hazards:  
· Marine pollutant: No  
· Special marking (ADR): Symbol (fish and tree)

· Special precautions for user Warning: Flammable liquids  
· Hazard identification number (Kemler code): -  
· 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:

· DOT  
· Quantity limitations On passenger aircraft/rail: 60 L  
On cargo aircraft only: 220 L  
· Remarks: CERCLA/DOT RQ: 617gal./4786 lbs.

· ADR

· Excepted quantities (EQ) Code: E1  
Maximum net quantity per inner packaging:  
30 ml  
Maximum net quantity per outer packaging:  
1000 ml

· IMDG

· Limited quantities (LQ) 5L  
· Excepted quantities (EQ) Code: E1  
Maximum net quantity per inner packaging:  
30 ml  
Maximum net quantity per outer packaging:  
1000 ml

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· UN "Model Regulation": UN 1263 PAINT, 3, III

**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):

108-10-1 4-methylpentan-2-one

· TSCA (Toxic Substances Control Act):

14808-60-7	Quartz (SiO <sub>2</sub> )	ACTIVE
1330-20-7	Xylene	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
108-10-1	4-methylpentan-2-one	ACTIVE
25036-25-3	phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bis[oxirane]	ACTIVE
78-93-3	butanone	ACTIVE
25086-48-0	Azijnzure ethenylester, polymeer met chlooretheen en ethenol. Acetic acid ethenylester, polymer with chlorethene and ethanol.	ACTIVE
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	ACTIVE
7631-86-9	silicon dioxide, chemically prepared	ACTIVE
68953-58-2	Ditallowdimethylammonium	ACTIVE
107-98-2	1-methoxy-2-propanol	ACTIVE
64742-95-6	Solvent naphtha (petroleum), light arom. (Note-P)	ACTIVE

· Hazardous Air Pollutants

1330-20-7 Xylene  
108-10-1 4-methylpentan-2-one

· Proposition 65

· Chemicals known to cause cancer:

14808-60-7 Quartz (SiO<sub>2</sub>)  
13463-67-7 titanium dioxide  
108-10-1 4-methylpentan-2-one

· 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.

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· Chemicals known to cause developmental toxicity:	
108-10-1	4-methylpentan-2-one

· Cancerogenity categories

· EPA (Environmental Protection Agency)		
108-10-1	4-methylpentan-2-one	I
78-93-3	butanone	I

· TLV (Threshold Limit Value established by ACGIH)

14808-60-7	Quartz (SiO <sub>2</sub> )	A2
13463-67-7	titanium dioxide	A4
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	A4

· MAK (German Maximum Workplace Concentration)

14808-60-7	Quartz (SiO <sub>2</sub> )	1
13463-67-7	titanium dioxide	3A
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	3B

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

14808-60-7	Quartz (SiO <sub>2</sub> )
13463-67-7	titanium dioxide

· GHS label elements

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

· Hazard pictograms



GHS02    GHS07    GHS08

· Signal word Danger

· Hazard-determining components of labeling:

4-methylpentan-2-one  
Xylene  
titanium dioxide  
Quartz (SiO<sub>2</sub>)

· Hazard statements

H225 Highly flammable liquid and vapor.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements

P210            Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P260            Do not breathe dust/fume/gas/mist/vapors/spray.  
P271            Use only outdoors or in a well-ventilated area.  
P280            Wear protective gloves/protective clothing/eye protection/face protection.

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P301+P310 If swallowed: Immediately call a poison center/doctor.  
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- National regulations:
- Technical instructions (air):

Class	Share in %
NK	25-50

- Water hazard class:  
Water hazard class 2 (Self-assessment): hazardous for water.
- 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.

- Department issuing SDS: Environment protection department.
- Contact: J.J. van Dijk
- Date of preparation / last revision 01/12/2021 / 3
- 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  
ACGIH: American Conference of Governmental Industrial Hygienists  
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)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
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  
Flam. Liq. 2: Flammable liquids - Category 2  
Flam. Liq. 3: Flammable liquids - Category 3  
Acute Tox. 4: Acute toxicity - Category 4  
Skin Irrit. 2: Skin corrosion/irritation - Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A  
Carc. 2: Carcinogenicity - Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

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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.

US