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**SECTION 3: Composition/information on ingredients**

**3.2 Chemical characterisation: Mixtures**

**Description:** Mixture: consisting of the following components.

-b [ fYX]Ybhg' UWWcfX]b [ ' FY [ i ' Uh]cb' fl9 lL' , ' \$#&\$%) .'				
C	2	2	morphus fumed silica	2.
			in rit. 2, ye rit. 2, O ,	
C	2		ethanediol	2.
N C	2		cute ox. , 2	
index number			2	
<b>Additional information:</b> For the wording of the listed hazard phrases refer to section 16.				

**G97H-CB' ( . : ]fgh' U]X' a YUg i fYg'**

4.1' 8YgWf]dh]cb' cZ' Z]fgh' U]X'

a YUg i fYg' ; YbYfU' ]bZcf a Uh]cb. '

Bc' gdYW]U' a YUg i fYg' fYe i ]fYX''

HU\_ Y' UZZYWhYX' dYfgcbg' c i h' ]bhc' h \ Y' ZfYg \ ' U]f''

5ZhYf' ]b \ U' Uh]cb. '

=Z' VfYUh \ ]b [ ' ]g' X]ZZ]W i ' hz' fY a c j Y' hc' ZfYg \ ' U]f'' FYghcfY' VfYUh \ ]b [ '' ?YYd' kUf a ' UbX' e i ]Yh'' Bch]Zm'

d \ mg]W]Ub'' =b' WUgY' cZ' i bWcbgW]c i gbYgg' d' UWY' dUh]Ybh' ghUV' m' ]b' g]XY' dcg]h]cb' Zcf' hfUbfgdcfhUh]cb''

GY\_ ]a a YX]UhY' a YX]WU' UX j]WY''

5ZhYf' g\_ ]b' WcbhUWh. '

= a a YX]UhY' m' kUg \ ' k]h \ ' kUhYf' UbX' gcUd' UbX' f]bgY'

h \ cfc i [ \ ' m'' =Z' g\_ ]b' ]ff]hUh]cb' Wcbh]b i Ygz' Wcbg i ' h' U' XcWhcf''

5ZhYf' YmY' WcbhUWh. '

F]bgY' cdYbYX' YmY' Zcf' Uh' ' YUgh' % ) ' a ]b i hYg' i bXYf' f i bb]b [ ' '

kUhYf'' FY a c j Y' WcbhUWh'' YbgYg' UbX' Wcbh]b i Y' f]bg]b [ ' Zcf'

gY j YfU' a ]b i hYg' =Z' g\_ ]b' ]ff]hUh]cb' Wcbh]b i Ygz' Wcbg i ' h' U'

XcWhcf''

5 j c]X' ghfcb [ ' kUhYf' ^Yh!f]g\_ ' cZ' WcfbYU' XU a U [ Yz' Wcbg i ' h' U' XcWhcf''

5ZhYf' g' kU' ' c k]b [ . '

8f]b\_ ' d' Ybhm' cZ' kUhYf' UbX' dfc j]XY' ZfYg \ ' U]f'' 7U' ' ' Zcf' U' XcWhcf''

]a a YX]UhY' m' GYY\_ ]a a YX]UhY' a YX]WU' UX j]WY''

BY j Yf' [ ] j Y' Ubmh \ ]b [ ' Vm' a c i h \ ' hc' Ub' i bWcbgW]c i g' dYfgcb''

4.2' Acgh' ]a dcfhUbh' gm a dhc a g' UbX' YZZYWhgz' Vch \ ' UW i hY' UbX' XY' UmYX'

Bc' Zi fh \ Yf' fY' Y j Ubh' ]bZcf a Uh]cb' U j U] UV' Y''

4.3' =bX]WUh]cb' cZ' Ubm' ]a a YX]UhY' a YX]WU' ' UhhYbh]cb' UbX' gdYW]U' hfYUh a Ybh' bYYXYX'

Bc' Zi fh \ YffY' Y j Ubh' ]bZcf a Uh]cb' U j U] UV' Y''

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:**

CO2, powder or water spray. Fight larger fires with water spray.

Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available. **5.3 Advice for firefighters**

**Protective equipment:** No special measures required.

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**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

**6.1.2 For emergency responders**

First aid workers must wear appropriate personal protective equipment self-contained breathing apparatus with full mask in pressurized mode or other positive pressure mode.

**6.2 Environmental precautions:** No special measures required.

**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel). Dispose contaminated material as waste according to item 13.

**6.4 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.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Avoid contact with eyes, hands and clothing.

Ensure good ventilation.

Do not breath vapours

Wash hands before each break and after finishing work.

**Information about fire - and explosion protection:** No special measures required. **7.2 Conditions for safe storage, including any incompatibilities**

**Storage:** Store in cool, dry conditions in well sealed receptacles.

**Requirements to be met by storerooms and receptacles:** Store in a cool location. **Information about storage in one common storage facility:**

Not required. **Further information about storage conditions:** None.

**7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

-b [ fYX] Ybhg' k] h \ '' ] a ] h' jU' i Yg' h \ Uh' fYe i ] fY' a cb] hcf] b [ ' Uh' h \ Y' kcf_ d' UWY.'	
75G. '% ' ( * ' ! * + ! + ' h] hUb] i a ' X] c I ] XY'	
:(\HDW□ %ULWDL□	/R□ \WHUPDOHPP□ □ WRWDOKDODEOHUHVSLUDEOH

**DNELs**

Titanium dioxide cas: 13463-67-7

DNEL: 10 mg/m<sup>3</sup>

**8.2 Exposure controls**

**8.2.1. Appropriate engineering controls**

Take appropriate protective measures with regard to the handling of chemicals and mixtures.

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## Personal protective equipment

### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals. **Respiratory protection:** Not required.

### Protection of hands:



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.

### Penetration time of glove material

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended. **Eye protection:**



Goggles recommended during refilling

### Body protection:

Protective work clothing

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties General Information

#### Appearance:

Form:	Liquid
Colour:	Various colours
Odour:	Not determined
Odour threshold:	Not determined

pH value: Notdetermined

Flash point: Not Flammable

Flammability (solid, gas): Not applicable

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Decomposition: Product is not selfigniting.

temperature: Auto-ignition temperature: Product does not present an explosion

ignition temperature: hazard.

### Explosive properties:

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**Explosion limits:**

**Lower:** Not determined  
**Upper:** Not determined  
**Oxidising properties** Not considered as oxidising.

**Vapour pressure:** Not determined

**Density at 20 °C:** 1.26 g/cm<sup>3</sup>  
**Relative density** Not determined  
**Vapour density** Not determined  
**Evaporation rate** Not determined

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

**Partition coefficient: n-octanol/water:** Not determined

**Viscosity:**  
**Dynamic:** Not determined  
**Kinematic:** Not determined

**Solvent content:**

**VOC (EC)** 110 g/l  
**9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity** Stable under normal conditions
- 10.2 Chemical stability** Material is stable under normal conditions.
- Thermal decomposition / conditions to be avoided**  
No decomposition if used and stored according to specifications.  
Stable at environment temperature.
- 10.3 Possibility of hazardous reactions** No dangerous reactions known.
- 10.4 Conditions to avoid** No further relevant information available.
- 10.5 Incompatible materials** No further relevant information available.
- 10.6 Hazardous decomposition products** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- 11.1 Information on toxicological effects**  
**Acute toxicity** Based on available data, the classification criteria are not met.  
**Skin corrosion/irritation** Based on available data, the classification criteria are not met. **Serious eye damage/irritation** Based on available data, the classification criteria are not met. **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met. **Repeated dose toxicity** Based on the data, the classification criteria are not fulfilled.  
**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
**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** Based on available data, the classification criteria are not met. **STOT-single exposure** Based on available data, the classification criteria are not met.

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**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

### Additional ecological information:

#### General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Not known to be hazardous to water.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment

#### methods Recommendation

Dispose according to National Regulations.

Contact manufacturer for recycling information.

#### Uncleaned packaging:

##### Recommendation:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

## SECTION 14: Transport information

### 14.1 UN-Number

ADR, ADN, IMDG, IATA Void

### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Void

### 14.4 Packing group

ADR, IMDG, IATA Void

**14.5 Environmental hazards:** Not applicable. Not applicable.

### 14.6 Special precautions for user

### 14.7 Transport in bulk according to Annex

II of Marpol and the IBC Code Not applicable.

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UN "Model Regulation":

Void

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture REACH Regulation 1907/2006/EC**

Regulation (EU) 2015/830

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as ammended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** Substance is not listed.

**National regulations:**

**Other regulations, limitations and prohibitive regulations**

**Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

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

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Zcf' Ubm' gdYw] Z] w' dfcX i Wh' ZYUh i fYg' UbX' g \ U' ' bch' YghUV' ] g \ U' ' Y [ U' ' m' j U' ] X' WcbhfWUUh] C' bg \ ] d'

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Y a d' cmYYg' VUgYX' cb' U' ' h \ Y' Y i ] gh] b [ ' ] bZcf a Uh] cb''

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; fYYWY' H. Z' \$ & % \$ , & ) % \$ ' p' : . Z' \$ & % \$

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= A8 ; . = bhYfbUh] cbU' ' AUf] h] a Y' 7cXY' Zcf' 8Ub [ Yfc i g'

; ccXg' = 5H5. = bhYfbUh] cbU' ' 5] f' HfUbgdcfh' 5ggcW] Uh] cb'

< G. ; ' cVU' ' m' < Uf a cb] gYX' GmghY a ' cZ' 7' Ugg] Z] WUh] cb' UbX' @UVY' ] b [ ' cZ'

7 \ Y a ] WU' g' 9 = B97G. ' 9 i fcdYUb' = b j Ybhcfm' cZ' 9 i ] gh] b [ ' 7 c a a YfW] U' 7 \ Y a ] WU' ' G i VghUbWYg' 9 @ = B7G. ' 9 i fcdYUb' @ ] gh' cZ' Bch] Z] YX' 7 \ Y a ] WU' ' G i VghUbWYg'

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VOC: Volatile Organic Compounds (USA, EU)  
DNEL: Derived No-Effect Level (REACH)  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) –  
Category 3

