Kerosene thermometer

Safety Data Sheet

According to Regulation (EU) 2015/830

Issue date: 11/5/2020 Revision date: 11/5/2020 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Article

Trade name : Kerosene thermometer

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Measure temperature.

1.2.2. Uses advised against

Restrictions on use : No information available

1.3. Details of the supplier of the safety data sheet

Supplier

Xishan District Xibei Aibang Instrument Factory

No. 86, Zhangjing East Street, Xibei Town, Xishan District

214194

T +86-13806176279 - F -

519206926@qq.com

Importer

1.4. Emergency telephone number

Emergency number +86 510 83794892

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) : None

Signal word (CLP) : None

Hazard statements (CLP) : Not applicable.

Precautionary statements (CLP) : Not applicable.

EUH-statements : None.

2.3. Other hazards

Other hazards not contributing to the classification : No information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Kerosene			
Kerosine, petroleum	(CAS-No.) 8008-20-6 (EC-No.) 232-366-4 (EC Index-No.) 649-404-00-4	99	Asp. Tox. 1, H304
2-Naphthalenol, 1-[[2-methyl-4-[(2-methylphenyl)azo]phenyl]azo]-	(CAS-No.) 85-83-6 (EC-No.) 201-635-8	1	Skin Sens. 1, H317
Glass			
Quartz	(CAS-No.) 14808-60-7 (EC-No.) 238-878-4	67.70	Not classified
Sodium oxide (Na2O)	(CAS-No.) 1313-59-3 (EC-No.) 215-208-9	14.10	Skin Corr. 1B, H314
Calcium oxide	(CAS-No.) 1305-78-8 (EC-No.) 215-138-9	6.94	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Zinc oxide (ZnO)	(CAS-No.) 1314-13-2 (EC-No.) 215-222-5 (EC Index-No.) 030-013-00-7	6.82	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Aluminum oxide (Al2O3)	(CAS-No.) 1344-28-1 (EC-No.) 215-691-6	2.12	Not classified
Iron oxide (Fe2O3)	(CAS-No.) 1309-37-1 (EC-No.) 215-168-2	0.04	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

First-aid measures after inhalation : Not an expected route of exposure. Immediate medical attention is not required.

First-aid measures after skin contact : No special technical protective measures are necessary. Immediate medical attention is not required.

First-aid measures after eye contact : No special technical protective measures are necessary. Immediate medical attention is not required.

First-aid measures after ingestion : Not an expected route of exposure. If swallow by misstake. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : No information available.

Symptoms/effects after skin contact : No information available.

Symptoms/effects after eye contact : No information available.

Symptoms/effects after ingestion : No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No information available.

Explosion hazard : No information available.

Hazardous decomposition products in case of fire : No information available.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Emergency procedures : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : No information available.

Emergency procedures : Do not eat, drink or smoke during use.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Avoid contact with eyes.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures : Avoid contact with eyes. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : No additional information available.

Storage conditions : Keep away from open flames, hot surfaces and sources of ignition. Keep cool.

Storage temperature : No information available.

Packaging materials : No information available.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Quartz (14808-60-7)	
EU - Occupational Exposure Limits	
Local name	Silica crystaline (Quartz)
IOELV TWA (mg/m³)	0.05 mg/m³ (respirable dust)
Notes	(Year of adoption 2003)
Regulatory reference	SCOEL Recommendations
Austria - Occupational Exposure Limits	
MAK Daily average value (mg/m³)	0.15 mg/m³ (yearly average, valid till 12/31/2013, the assessment period is one year-alveolar dust, respirable fraction)
Belgium - Occupational Exposure Limits	
Limit value [mg/m³]	0.1 mg/m³ (alveolar dust)
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m³)	0.07 mg/m³ (respirable fraction)
Croatia - Occupational Exposure Limits	
GVI (granična vrijednost izloženosti) (mg/m³)	0.1 mg/m³ 0.1 mg/m³ (regulated under Quartz sand-respirable dust)
Czech Republic - Occupational Exposure Limits	
Expoziční limity (PEL) (mg/m³)	0.1 mg/m³ (dust)
Denmark - Occupational Exposure Limits	
Grænseværdi (8 timer) (mg/m³)	0.3 mg/m³ (total) 0.1 mg/m³ (respirable)
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m³)	0.1 mg/m³ (respirable dust)
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m³)	0.05 mg/m³ (respirable dust)
France - Occupational Exposure Limits	
VME [mg/m³]	0.1 mg/m³ (restrictive limit-alveolar fraction)
Hungary - Occupational Exposure Limits	
AK-érték	0.15 mg/m³ (respirable)
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m³)	0.1 mg/m³ (respirable dust)
Lithuania - Occupational Exposure Limits	
IPRV (mg/m³)	0.1 mg/m³ (Silicon dioxide variation-respirable fraction)
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m³)	0.075 mg/m³ (respirable dust)
Poland - Occupational Exposure Limits	
NDS (mg/m³)	0.1 mg/m³ (respirable fraction)
Portugal - Occupational Exposure Limits	
OEL TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
OEL chemical category (PT)	A2 - Suspected Human Carcinogen

Quartz (14808-60-7)	
Romania - Occupational Exposure Limits	
OEL TWA (mg/m³)	0.1 mg/m³ (dust, respirable fraction)
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m³)	0.15 mg/m³ (respirable fraction)
Spain - Occupational Exposure Limits	
VLA-ED (mg/m³)	0.05 mg/m³ (reclassified IARC group 2A to group 1-respirable fraction)
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m³)	0.1 mg/m³ (respirable dust)
OEL chemical category (SE)	Carcinogen
Norway - Occupational Exposure Limits	
Grenseverdier (AN) (mg/m³)	0.3 mg/m³ (dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula-total dust) 0.1 mg/m³ (dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula-respirable dust)
Grenseverdier (Korttidsverdi) (mg/m3)	0.9 mg/m³ (dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula-total dust) 0.3 mg/m³ (dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula-respirable dust)
OEL chemical category (NO)	Carcinogen
Switzerland - Occupational Exposure Limits	
MAK (mg/m³)	0.15 mg/m³ (respirable dust)
OEL chemical category (CH)	Category C1A carcinogen
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m³)	0.025 mg/m³ (respirable particulate matter)
ACGIH chemical category	Suspected Human Carcinogen

Calcium oxide (1305-78-8)	
EU - Occupational Exposure Limits	
IOELV TWA (mg/m³)	1 mg/m³ (respirable fraction)
IOELV STEL (mg/m³)	4 mg/m³ (respirable fraction)
Austria - Occupational Exposure Limits	
MAK Daily average value (mg/m³)	2 mg/m³ (inhalable fraction)
MAK Short time value [mg/m³]	4 mg/m³ (inhalable fraction)
Belgium - Occupational Exposure Limits	
Limit value [mg/m³]	2 mg/m³
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³
Croatia - Occupational Exposure Limits	
GVI (granična vrijednost izloženosti) (mg/m³)	2 mg/m³
Czech Republic - Occupational Exposure Limits	
Expoziční limity (PEL) (mg/m³)	2 mg/m³
Denmark - Occupational Exposure Limits	
Grænseværdi (8 timer) (mg/m³)	1 mg/m³ (respirable fraction)

Calcium oxide (1305-78-8)	
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m³)	1 mg/m³
OEL STEL (mg/m³)	4 mg/m³
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m³)	1 mg/m³
HTP-arvo (15 min)	4 mg/m³
France - Occupational Exposure Limits	
VME [mg/m³]	2 mg/m³
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m³)	1 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Greece - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³
Hungary - Occupational Exposure Limits	
AK-érték	5 mg/m³
CK-érték	5 mg/m³
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m³)	1 mg/m³ (respirable dust)
OEL (15 min ref) (mg/m3)	4 mg/m³ (respirable dust)
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m³)	1 mg/m³ (respirable fraction)
Lithuania - Occupational Exposure Limits	
IPRV (mg/m³)	2 mg/m³
TPRV (mg/m³)	5 mg/m³
Malta - Occupational Exposure Limits	
OEL TWA (mg/m³)	1 mg/m³ (respirable fraction)
OEL STEL (mg/m³)	4 mg/m³ (respirable fraction)
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m³)	1 mg/m³ (respirable)
Grenswaarde TGG 15MIN (mg/m³)	4 mg/m³ (respirable)
Poland - Occupational Exposure Limits	
NDS (mg/m³)	2 mg/m³ (inhalable fraction) 1 mg/m³ (respirable fraction)
NDSCh (mg/m³)	6 mg/m³ (inhalable fraction) 4 mg/m³ (respirable fraction)
Portugal - Occupational Exposure Limits	
OEL TWA (mg/m³)	2 mg/m³
Romania - Occupational Exposure Limits	
OEL TWA (mg/m³)	2 mg/m³
OEL STEL (mg/m³)	5 mg/m³
Slovakia - Occupational Exposure Limits	
NPHV (priemerná) (mg/m³)	5 mg/m³ (total aerosol)

Calcium oxide (1305-78-8)	
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³ (inhalable fraction)
OEL STEL (mg/m³)	5 mg/m³ (inhalable fraction)
Spain - Occupational Exposure Limits	
VLA-ED (mg/m³)	1 mg/m³ (respirable fraction)
VLA-EC (mg/m³)	4 mg/m³ (indicative limit value-respirable fraction)
OEL chemical category (ES)	skin - potential for cutaneous absorption
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m³)	1 mg/m³ (respirable dust)
kortidsvärde (KTV) (mg/m³)	4 mg/m³ (respirable dust)
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m³)	1 mg/m³ (respirable fraction) 2 mg/m³
WEL STEL (mg/m³)	4 mg/m³ (respirable fraction) 6 mg/m³ (calculated)
Norway - Occupational Exposure Limits	
Grenseverdier (AN) (mg/m³)	1 mg/m³ (respirable dust)
Grenseverdier (Korttidsverdi) (mg/m3)	2 mg/m³ (value calculated-respirable dust)
Switzerland - Occupational Exposure Limits	
MAK (mg/m³)	2 mg/m³ (inhalable dust)
KZGW (mg/m³)	2 mg/m³ (inhalable dust)
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m³)	2 mg/m³

Zinc oxide (ZnO) (1314-13-2)	
Austria - Occupational Exposure Limits	
MAK Daily average value (mg/m³)	5 mg/m³ (respirable fraction, smoke)
Belgium - Occupational Exposure Limits	
Limit value [mg/m³]	10 mg/m³ (dust) 5 mg/m³ (fume) 5 mg/m³ (aerosol and vapor)
Short time value [mg/m³]	10 mg/m³ (fume) 10 mg/m³ (aerosol and vapor)
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³
OEL STEL (mg/m³)	10 mg/m³
Croatia - Occupational Exposure Limits	
GVI (granična vrijednost izloženosti) (mg/m³)	5 mg/m³
KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	10 mg/m³
Czech Republic - Occupational Exposure Limits	
Expoziční limity (PEL) (mg/m³)	2 mg/m³

Zinc oxide (ZnO) (1314-13-2)	
Denmark - Occupational Exposure Limits	
Grænseværdi (8 timer) (mg/m³)	4 mg/m³ 4 mg/m³ (fume)
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m³)	2 mg/m³ (fume)
HTP-arvo (15 min)	10 mg/m³ (fume)
France - Occupational Exposure Limits	
VME [mg/m³]	5 mg/m³ (fume) 10 mg/m³ (dust)
Greece - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³ (fume)
OEL STEL (mg/m³)	10 mg/m³ (fume)
Hungary - Occupational Exposure Limits	
AK-érték	5 mg/m³ (respirable dust)
CK-érték	20 mg/m³ (respirable dust)
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m³)	2 mg/m³ (fume; respirable fraction)
OEL (15 min ref) (mg/m3)	10 mg/m³ (fume; respirable fraction)
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m³)	0.5 mg/m³
Lithuania - Occupational Exposure Limits	
IPRV (mg/m³)	5 mg/m³
Poland - Occupational Exposure Limits	
NDS (mg/m³)	5 mg/m³ (inhalable fraction)
NDSCh (mg/m³)	10 mg/m³ (inhalable fraction)
Portugal - Occupational Exposure Limits	
OEL TWA (mg/m³)	2 mg/m³ (respirable fraction)
OEL STEL (mg/m³)	10 mg/m³ (respirable fraction)
Romania - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³ (fume)
OEL STEL (mg/m³)	10 mg/m³ (fume)
Slovakia - Occupational Exposure Limits	
NPHV (priemerná) (mg/m³)	1 mg/m³ (fume)
NPHV (Hraničná) (mg/m³)	1 mg/m³
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³ (respirable fraction, fume)
OEL STEL (mg/m³)	20 mg/m³ (respirable fraction, fume)
Spain - Occupational Exposure Limits	
VLA-ED (mg/m³)	2 mg/m³ (respirable fraction)
VLA-EC (mg/m³)	10 mg/m³

Zinc oxide (ZnO) (1314-13-2)	
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m³)	5 mg/m³ (total dust)
Norway - Occupational Exposure Limits	
Grenseverdier (AN) (mg/m³)	5 mg/m³
Grenseverdier (Korttidsverdi) (mg/m3)	10 mg/m³ (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (mg/m³)	3 mg/m³ (respirable dust, smoke)
KZGW (mg/m³)	3 mg/m³ (respirable dust, smoke)
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m³)	2 mg/m³ (respirable particulate matter)
ACGIH STEL (mg/m³)	10 mg/m³ (respirable particulate matter)

Iron oxide (Fe2O3) (1309-37-1)	
Austria - Occupational Exposure Limits	
MAK Daily average value (mg/m³)	5 mg/m³ (respirable fraction) 10 mg/m³ (inhalable fraction)
MAK Short time value [mg/m³]	10 mg/m³ (respirable fraction)
Belgium - Occupational Exposure Limits	
Limit value [mg/m³]	5 mg/m³ (fume)
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³
Croatia - Occupational Exposure Limits	
GVI (granična vrijednost izloženosti) (mg/m³)	4 mg/m³ (respirable dust) 5 mg/m³ (fume) 10 mg/m³ (total dust)
KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	10 mg/m³ (fume)
Denmark - Occupational Exposure Limits	
Grænseværdi (8 timer) (mg/m³)	3.5 mg/m³
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m³)	3.5 mg/m³ (respirable dust)
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m³)	5 mg/m³ (fume)
France - Occupational Exposure Limits	
VME [mg/m³]	5 mg/m³ (fume) 10 mg/m³ (as synthetic red)
Greece - Occupational Exposure Limits	
OEL TWA (mg/m³)	10 mg/m³
OEL STEL (mg/m³)	10 mg/m³
Hungary - Occupational Exposure Limits	
AK-érték	6 mg/m³ (respirable dust)

Iron oxide (Fe2O3) (1309-37-1)	
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m³)	5 mg/m³ (fume) 10 mg/m³ (total inhalable dust) 4 mg/m³ (respirable dust)
OEL (15 min ref) (mg/m3)	30 mg/m³ (calculated-total inhalable dust) 10 mg/m³ (fume) 12 mg/m³ (calculated-respirable dust)
Lithuania - Occupational Exposure Limits	
IPRV (mg/m³)	3.5 mg/m³ (inhalable fraction)
Poland - Occupational Exposure Limits	
NDS (mg/m³)	2.5 mg/m³ (respirable fraction) 5 mg/m³ (inhalable fraction)
NDSCh (mg/m³)	10 mg/m³ (inhalable fraction) 5 mg/m³ (respirable fraction)
Portugal - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³ (respirable fraction)
OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen
Romania - Occupational Exposure Limits	
OEL TWA (mg/m³)	5 mg/m³ (dust and fume)
OEL STEL (mg/m³)	10 mg/m³ (dust and fume)
Slovakia - Occupational Exposure Limits	
NPHV (priemerná) (mg/m³)	1.5 mg/m³ (respirable fraction)
Spain - Occupational Exposure Limits	
VLA-ED (mg/m³)	5 mg/m³ (dust and fume)
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m³)	3.5 mg/m³ (respirable dust)
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m³)	5 mg/m³ (fume) 10 mg/m³ (total inhalable) 4 mg/m³ (respirable)
WEL STEL (mg/m³)	10 mg/m³ (fume) 30 mg/m³ (calculated-total inhalable) 12 mg/m³ (calculated-respirable)
Norway - Occupational Exposure Limits	
Grenseverdier (AN) (mg/m³)	3 mg/m³
Grenseverdier (Korttidsverdi) (mg/m3)	6 mg/m³ (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (mg/m³)	3 mg/m³ (respirable dust)
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m³)	5 mg/m³ (respirable particulate matter)
ACGIH chemical category	Not Classifiable as a Human Carcinogen

Kerosine, petroleum (8008-20-6)	
Belgium - Occupational Exposure Limits	
Limit value [mg/m³]	200 mg/m³ (application limited to exposure conditions to negligible aerosols-total hydrocarbon vapor)
OEL chemical category (BE)	Skin
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m³)	300 mg/m³
Ireland - Occupational Exposure Limits	
OEL chemical category (IE)	Potential for cutaneous absorption
Poland - Occupational Exposure Limits	
NDS (mg/m³)	100 mg/m³
NDSCh (mg/m³)	300 mg/m³
Portugal - Occupational Exposure Limits	
OEL TWA (ppm)	200 ppm (restricted to conditions in which there are negligible aerosol exposures)
OEL chemical category (PT)	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, skin - potential for cutaneous exposure
Spain - Occupational Exposure Limits	
VLA-ED (mg/m³)	200 mg/m³ (aviation fuel)
OEL chemical category (ES)	skin - potential for cutaneous absorption
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m³)	200 mg/m³ (application restricted to conditions in which there are negligible aerosol exposures-total hydrocarbon vapor)
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route, Confirmed Animal Carcinogen with Unknown Relevance to Humans

8.2. Exposure controls

Appropriate engineering controls:
Remove all sources of ignition.

Hand protection:
No special technical protective measures required.

Eye protection:
Avoid contact with eyes.

Skin and body protection:
No special technical protective measures required.

Respiratory protection:
Ensure adequate ventilation, especially in confined areas.

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	No data available
Odour	:	No data available
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Non flammable.
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	Zinc oxide (ZnO) (1314-13-2): 1.53
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified

Acute toxicity (inhalation) : Not classified

Zinc oxide (ZnO) (1314-13-2)	
LD50 oral rat	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 5.7 mg/L/4h

Aluminum oxide (Al2O3) (1344-28-1)	
LD50 oral rat	> 5000 mg/kg

Iron oxide (Fe2O3) (1309-37-1)	
LD50 oral rat	> 10000 mg/kg

Kerosine, petroleum (8008-20-6)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.28 mg/L/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans

Iron oxide (Fe2O3) (1309-37-1)	
IARC group	3 - Not classifiable

2-Naphthalenol, 1-[[2-methyl-4-[(2-methylphenyl)azo]phenyl]azo]- (85-83-6)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Calcium oxide (1305-78-8)	
LC50 fish 1	1070 mg/L (Exposure time: 96 h - Species: Cyprinus carpio [static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Calcium oxide (1305-78-8)	
BCF fish 1	(no bioaccumulation)

Zinc oxide (ZnO) (1314-13-2)	
Partition coefficient n-octanol/water (Log Pow)	1.53

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

Inland waterway transport
Not regulated

Rail transport
Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Employment restrictions	:	Observe restrictions according Act on the Protection of Working Mothers (MuSchG) Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Netherlands

SZW-lijst van kankerverwekkende stoffen	:	Quartz,Kerosine, petroleum are listed
SZW-lijst van mutagene stoffen	:	Kerosine, petroleum is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	Boron oxide (B2O3) is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	Boron oxide (B2O3) is listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:
No information available.

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level

DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Data sources : Loli. ECHA reference.
Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information : No information available.

Full text of H- and EUH-statements:	
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H360FD	May damage fertility. May damage the unborn child.
H304	May be fatal if swallowed and enters airways.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.