

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : H-SILICONE MIRROR
UFI : 2TV2-70GM-Q002-R12M

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

Relevant identified uses

Intended for general public
Main use category : Consumer use
Use of the substance/mixture : Sealants

1.3. Details of the supplier of the safety data sheet

Distributor

Hranipex Czech Republic k.s.
J. Rýznerové 97, Komorovice
CZ 396 01 Humpolec
Czech Republic
T +420 565 501 211

cz-hranipex@hranipex.com, www.hranipex.cz

E-mail address of competent person responsible for the SDS :
sds@regartis.com

Supplier

Hranipex Ltd.
Unit 2 Radial Park, Birmingham Business Park
Birmingham, B37 7YN
United Kingdom
T +44 121 767 9180, F 0121 782 6250

uk-hranipex@hranipex.com, www.hranipex.co.uk

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

H-SILICONE MIRROR

Issue date: 12/8/2025 according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Version: 1.0

2.2. Label elements

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

Hazard pictograms (CLP)	: 
	GHS07
Signal word (CLP)	: Warning
Contains	: N-(3-trimethoxysilyl)propyl)ethylenediamine; trimethoxyvinylsilane; octhilinone (ISO)
Hazard statements (CLP)	: H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P273 - Avoid release to the environment. P280 - Wear protective gloves, eye protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Extra phrases	: Treated article, contains preservation agent: octhilinone (ISO); 2-octyl-2H-isothiazol-3-one.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N-(3-trimethoxysilyl)propyl)ethylenediamine	CAS-No.: 1760-24-3 EC-No.: 217-164-6	≤ 1.5	Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 3, H335
trimethoxyvinylsilane; trimethoxy(vinyl)silane	CAS-No.: 2768-02-7 EC-No.: 220-449-8 EC Index-No.: 014-049-00-0	≤ 1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Sens. 1B, H317
Diocetyl tin oxide	CAS-No.: 870-08-6 EC-No.: 212-791-1 REACH-no: 01-2119971268-27	≤ 0.1	STOT SE 2, H371

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
octhiline (ISO); 2-octyl-2H-isothiazol-3-one	CAS-No.: 26530-20-1 EC-No.: 247-761-7 EC Index-No.: 613-112-00-5	≤ 0.01	Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.27 mg/l) Acute Tox. 3 (Dermal), H311 (ATE=311 mg/kg bodyweight) Acute Tox. 3 (Oral), H301 (ATE=125 mg/kg bodyweight) Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071
methanol	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119392409-28	≤ 0.008	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
octhiline (ISO); 2-octyl-2H-isothiazol-3-one	CAS-No.: 26530-20-1 EC-No.: 247-761-7 EC Index-No.: 613-112-00-5	(0.0015 ≤ C ≤ 100) Skin Sens. 1A; H317
methanol	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119392409-28	(3 ≤ C < 10) STOT SE 2; H371 (10 ≤ C < 100) STOT SE 1; H370

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Take care of your own safety. If you experience any health problems or if you are in doubt, inform your doctor and provide him / her with information from this Safety Data Sheet. Life-threatening conditions require resuscitation. In case of unconsciousness place the affected person in a stabilized position on the side, with a slightly bowed head, and take care of the passage of the airways. Heart arrest - Immediately perform an indirect heart massage.
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation develops.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation.

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

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 : Foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Do not breathe fumes from fires or vapours from decomposition.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Complete protective clothing. EN 469.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel. Provide adequate ventilation. Avoid contact with skin, eyes and clothing.

For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow the mixture to enter into sewer, water system (underground water, surface water) or soil. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect all waste in suitable and labelled containers and dispose according to local legislation. Store away from other materials.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing vapours.
Hygiene measures : Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : flames or sparks, Direct sunlight. Keep container closed when not in use. Always keep container in upright position.
Incompatible products	: Strong acids, strong bases and strong oxidants.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

methanol (67-56-1)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	Methanol
IOEL TWA	260 mg/m ³ 200 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC

United Kingdom - Occupational Exposure Limits

Local name	Methanol
WEL TWA (OEL TWA)	266 mg/m ³ 200 ppm
WEL STEL (OEL STEL)	333 mg/m ³ 250 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

DNEL and PNEC

N-(3-trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

PNEC (Water)

PNEC aqua (freshwater)	0.05 mg/l
PNEC aqua (marine water)	0.005 mg/l
PNEC aqua (intermittent, freshwater)	0.072 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	0.181 mg/kg dwt
PNEC sediment (marine water)	0.018 mg/kg dwt

PNEC (Soil)

PNEC soil	0.007 mg/l
-----------	------------

PNEC (STP)

PNEC sewage treatment plant	20 mg/l
-----------------------------	---------

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

trimethoxyvinylsilane; trimethoxy(vinyl)silane (2768-02-7)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	0.91 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	27.6 mg/m ³

DNEL/DMEL (General population)

Long-term - systemic effects, oral	0.63 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	6.8 mg/m ³
Long-term - systemic effects, dermal	0.63 mg/kg bodyweight/day

octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)

PNEC (Water)

PNEC aqua (freshwater)	2.2 mg/l
PNEC aqua (marine water)	0.22 mg/l
PNEC aqua (intermittent, freshwater)	1.22 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	0.0475 mg/kg dwt
PNEC sediment (marine water)	0.00475 mg/kg dwt

PNEC (Soil)

PNEC soil	0.0082 mg/kg dwt
-----------	------------------

methanol (67-56-1)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	20 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	130 mg/m ³
Long-term - local effects, inhalation	130 mg/m ³

DNEL/DMEL (General population)

Long-term - systemic effects, oral	4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	26 mg/m ³
Long-term - systemic effects, dermal	4 mg/kg bodyweight/day
Long-term - local effects, inhalation	26 mg/m ³

Diocetyl tin oxide (870-08-6)

DNEL/DMEL (General population)

Long-term - systemic effects, oral	0.002 mg/kg bodyweight/day
------------------------------------	----------------------------

PNEC (Water)

PNEC aqua (freshwater)	2.2 mg/l
PNEC aqua (marine water)	0.22 mg/l
PNEC aqua (intermittent, freshwater)	1.22 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	0.0475 mg/kg dwt
PNEC sediment (marine water)	0.00475 mg/kg dwt

H-SILICONE MIRROR

Issue date: 12/8/2025

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Version: 1.0

Diocetyl tin oxide (870-08-6)	
PNEC (Soil)	
PNEC soil	0.0082 mg/kg dwt

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Eye and face protection

Eye protection:
Chemical goggles or safety glasses. (EN ISO 16321-1)

Skin protection

Skin and body protection:
Wear suitable coveralls to prevent exposure to the skin

Hand protection:
Chemically resistant protective gloves. Follow the glove manufacturer's specific recommendations when selecting the appropriate thickness, material, and permeability.

Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask

Environmental exposure controls

Consumer exposure controls:
Read label before use. Always wash hands after handling the product. Avoid contact with skin and eyes. Do not breathe vapour/aerosol.

Other information:
Do not eat, drink or smoke during use. Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Transparent
Appearance	: Paste
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1 g/cm³ @ 20 °C
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

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.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids, strong bases and strong oxidants.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On burning: release of carbon monoxide - carbon dioxide. fume.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

N-(3-trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

LD50 oral rat	2295 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	1.49 – 2.44 mg/l/4h

trimethoxyvinylsilane; trimethoxy(vinyl)silane (2768-02-7)

LD50 oral rat	7.34 – 7.46 mg/kg OECD 401
LD50 dermal rat	3.36 mg/kg OECD 402
LC50 Inhalation - Rat	2773 ppmv OECD 403

octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)

LD50 oral rat	125 mg/kg OECD 401
LD50 dermal rabbit	311 mg/kg OECD 402
LC50 Inhalation - Rat	270 mg/l OECD 403

methanol (67-56-1)

LD50 oral rat	≥ 2528 mg/kg OECD 401
LD50 dermal rabbit	17100 mg/kg
LC50 Inhalation - Rat	43.68 mg/l

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

Diocetyl tin oxide (870-08-6)

LD50 oral rat > 6000 mg/kg OECD 401

LD50 dermal rat > 2000 mg/kg OECD 402

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

N-(3-trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

NOAEL (animal/male, F0/P) ≥ 500 mg/kg bodyweight

NOAEL (animal/male, F1) ≥ 500 mg/kg bodyweight

trimethoxyvinylsilane; trimethoxy(vinyl)silane (2768-02-7)

NOAEL (animal/male, F0/P) 100 mg/kg bodyweight

NOAEL (animal/male, F1) 100 mg/kg bodyweight

Diocetyl tin oxide (870-08-6)

NOAEL (animal/male, F0/P) 200 mg/kg

NOAEL (animal/male, F1) 200 mg/kg

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

N-(3-trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

STOT-single exposure May cause respiratory irritation.

methanol (67-56-1)

STOT-single exposure Causes damage to organs. May cause damage to organs.

Diocetyl tin oxide (870-08-6)

STOT-single exposure May cause damage to organs.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

N-(3-trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

NOAEL (subacute, oral, 90 days) ≥ 500 mg/kg bodyweight/day

NOAEC (subchronic, inhalation, 90 days) 45 mg/l

trimethoxyvinylsilane; trimethoxy(vinyl)silane (2768-02-7)

NOAEL (oral, rat, 90 days) 62.5 mg/kg bodyweight/day

NOAEC (inhalation, rat, vapour, 90 days) 100 ppm

methanol (67-56-1)

LOAEL (oral, rat, 90 days) 2340 mg/kg bodyweight/day

LOAEC (inhalation, rat, 90 days) 0.13 mg/l

NOAEC (inhalation, rat, 90 days) 0.013 mg/l

Diocetyl tin oxide (870-08-6)

NOAEL (oral, rat, 90 days) 0.3 mg/kg bodyweight/day

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Other information

Potential adverse human health effects and symptoms

: Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)

: Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic)

: Harmful to aquatic life with long lasting effects.

N-(3-trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

LC50 - Fish [1]	597 mg/l Danio rerio
EC50 - Crustacea [1]	81 mg/l Daphnia magna
EC50 72h - Algae [1]	8.8 mg/l Raphidocelis subcapitata

trimethoxyvinylsilane; trimethoxy(vinyl)silane (2768-02-7)

LC50 - Fish [1]	191 mg/l Oncorhynchus mykiss
EC50 - Crustacea [1]	168.7 mg/l Daphnia magna
NOEC chronic fish	100 mg/l

octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)

LC50 - Fish [1]	0.122 mg/l
EC50 - Crustacea [1]	0.181 mg/l
EC50 72h - Algae [1]	0.15 mg/l

methanol (67-56-1)

LC50 - Fish [1]	15400 mg/l Lepomis macrochirus
EC50 - Crustacea [1]	18260 mg/l Daphnia magna, OECD 202
EC50 72h - Algae [1]	22000 mg/l Raphidocelis subcapitata, OECD 201

Diocetyl tin oxide (870-08-6)

LC50 - Fish [1]	> 0.09 mg/l Danio rerio, OECD 203
EC50 - Crustacea [1]	> 0.21 mg/l Daphnia magna, OECD 202
EC50 72h - Algae [1]	> 0.002 mg/l Desmodesmus subspicatus, OECD 201

12.2. Persistence and degradability

trimethoxyvinylsilane; trimethoxy(vinyl)silane (2768-02-7)

Persistence and degradability	Under test conditions no biodegradation observed .
-------------------------------	--

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)

Persistence and degradability	Under test conditions no biodegradation observed .
-------------------------------	--

methanol (67-56-1)

Persistence and degradability	Readily biodegradable.
-------------------------------	------------------------

Biodegradation	100 %
----------------	-------

Diocetyl tin oxide (870-08-6)

Persistence and degradability	Under test conditions no biodegradation observed .
-------------------------------	--

12.3. Bioaccumulative potential

H-SILICONE MIRROR

Bioaccumulative potential	Not established.
---------------------------	------------------

N-(3-trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

Partition coefficient n-octanol/water (Log Kow)	-4 – -0.82 @ 20 °C
---	--------------------

trimethoxyvinylsilane; trimethoxy(vinyl)silane (2768-02-7)

Partition coefficient n-octanol/water (Log Kow)	-2 – -0.82 @ 20 °C
---	--------------------

octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)

BCF - Fish [1]	19.21 l/kg
----------------	------------

Partition coefficient n-octanol/water (Log Kow)	2.61 @ 25 °C
---	--------------

methanol (67-56-1)

Partition coefficient n-octanol/water (Log Kow)	-0.77 @ 20 °C
---	---------------

Diocetyl tin oxide (870-08-6)

Partition coefficient n-octanol/water (Log Kow)	6 @ 20 °C
---	-----------

12.4. Mobility in soil

H-SILICONE MIRROR

Ecology - soil	No data available.
----------------	--------------------

12.5. Results of PBT and vPvB assessment

H-SILICONE MIRROR

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
--

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

H-SILICONE MIRROR

Other information	Avoid release to the environment.
-------------------	-----------------------------------

H-SILICONE MIRROR

Issue date: 12/8/2025

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Version: 1.0

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Packaging can be recycled after thorough and careful cleaning.
Packaging that could not be cleaned must be handled in the same way as the product.
Disposal according to applicable regulations.
Recommended cleaning agent: Water, possibly with cleaning agent additives. Empty containers can be used in energy incinerator or stored in a landfill in accordance with the relevant legislation.
- Ecological waste information : Avoid release to the environment.
- European List of Waste (LoW, EC 2000/532) : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances
- HP Code : HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.
HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

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

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

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

H-SILICONE MIRROR

Issue date: 12/8/2025

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Version: 1.0

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3(a)	trimethoxyvinylsilane; trimethoxy(vinyl)silane ; methanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	H-SILICONE MIRROR; N-(3-trimethoxysilyl)propyl)ethy lenediamine ; trimethoxyvinylsilane; trimethoxy(vinyl)silane ; octhilinone (ISO); 2-octyl- 2H-isothiazol-3-one ; methanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	H-SILICONE MIRROR; octhilinone (ISO); 2-octyl- 2H-isothiazol-3-one	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
69.	methanol	Methanol

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): Dioctyltin compounds (870-08-6)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

United Kingdom

British National Regulations

: Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives, in the valid wording.
UK Waste Regulations.
UK REACH.
GB CLP.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS-No.	Chemical Abstract Service number
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
ED	Endocrine disruptor
EN	European Standard
EINECS	European Inventory of Existing Commercial Chemical Substances
EWG	European waste catalogue
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
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
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP). ECHA Guidance on the compilation of safety data sheets
ECHA C&L Inventory database. Supplier's safety documents.

H-SILICONE MIRROR

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 12/8/2025

Version: 1.0

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 1	Specific target organ toxicity – single exposure, Category 1
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

H-SILICONE MIRROR

Issue date: 12/8/2025

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Version: 1.0

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	Calculation method

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.