

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

1 Identification

- **Product Identifier**
- **Trade Name: Ultraflex-D Tan**
- **Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information available.
- **Product Description:** Sealant / Adhesive
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Silco Inc.
7635 St. Clair Avenue
Mentor, OH 44060
Phone: 440-975-8886
Fax: 440-975-8887
- **Emergency telephone number:** 440-975-8886

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Health hazard

Carc. 1A H350 May cause cancer.



Skin Sens. 1 H317 May cause an allergic skin reaction.

Eye Irrit. 2B H320 Causes eye irritation.

- **Label elements:**

- **GHS label elements**

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

- **Hazard pictograms:**



GHS07 GHS08

- **Signal word:** Danger

- **Hazard-determining components of labeling:**

Titanium Dioxide
Quartz (SiO₂)
N-(3-(trimethoxysilyl)propyl)ethylenediamine
2-octyl-2H-isothiazol-3-one

- **Hazard statements:**

H320 Causes eye irritation.
H317 May cause an allergic skin reaction.
H350 May cause cancer.

- **Precautionary statements:**

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.

(Contd. on page 2)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

Trade Name: Ultraflex-D Tan

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 If on skin: Wash with plenty of water.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

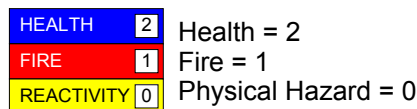
This value refers to knowledge of known, established toxicological or ecotoxicological values. 50.5 % of the mixture consists of component(s) of unknown toxicity.

Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)



Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

Non-hazardous components:

70131-67-8	Hydroxy terminated polydimethylsiloxane	15-35%
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Chemical characterization: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous Components:

CAS: 1317-65-3	Natural limestone	25-50%
CAS: 63148-62-9 RTECS: JT6485000	Polydimethylsiloxane Eye Irrit. 2B, H320	12.7%
CAS: 2224-33-1	Vinyltri (methylethylketoxime) silane ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335; Flam. Liq. 4, H227; Eye Irrit. 2B, H320	2-12%
CAS: 68611-44-9	Fumed Silica ⚠ STOT SE 3, H335	2-12%
CAS: 13463-67-7	Titanium Dioxide ⚠ Carc. 2, H351	≤2.5%

(Contd. on page 3)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

Trade Name: Ultraflex-D Tan

CAS: 1760-24-3 RTECS: KV 7400000	N-(3-(trimethoxysilyl)propyl)ethylenediamine ⚠ Skin Corr. 1A, H314; Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317	≤2.5%
CAS: 14808-60-7 RTECS: VV 7330000	Quartz (SiO ₂) ⚠ Carc. 1A, H350; STOT RE 1, H372; ⚠ Acute Tox. 4, H332; STOT SE 3, H335; Eye Irrit. 2B, H320	≤2.5%

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

Description of first aid measures

General information:

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in the side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

After eye contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

If easy to do so, remove contact lenses if worn.

After swallowing:

Do not induce vomiting.

If conscious, give no more than two glasses of water.

Seek medical treatment.

Information for doctor

Most important symptoms and effects, both acute and delayed:

May cause an allergic skin reaction. Prolonged exposure may cause chronic effects.

Indication of any immediate medical attention and special treatment needed:

Methanol is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

5 Fire-Fighting Measures

Extinguishing media

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: No further relevant information.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

Additional information: Cool fire exposed containers with water.

(Contd. on page 4)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

Trade Name: Ultraflex-D Tan

6 Accidental Release Measures

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

- Ensure adequate ventilation.
- Avoid contact with skin, eyes and clothing.
- Do not breathe vapor.

· **Environmental precautions:** Do not allow to enter sewers/surface or ground water.

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

- Ensure adequate ventilation.
- Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
- Dispose contaminated material as waste according to section 13.

· **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:**

70131-67-8	Hydroxy terminated polydimethylsiloxane	190 mg/m ³
63148-62-9	Polydimethylsiloxane	65 mg/m ³
13463-67-7	Titanium Dioxide	30 mg/m ³
67-56-1	Methanol	530 ppm
13822-56-5	3-(trimethoxysilyl)propylamine	30 mg/m ³
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	23 mg/m ³
14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³

· **PAC-2:**

70131-67-8	Hydroxy terminated polydimethylsiloxane	2,100 mg/m ³
63148-62-9	Polydimethylsiloxane	720 mg/m ³
13463-67-7	Titanium Dioxide	330 mg/m ³
67-56-1	Methanol	2,100 ppm
13822-56-5	3-(trimethoxysilyl)propylamine	330 mg/m ³
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	250 mg/m ³
14808-60-7	Quartz (SiO ₂)	33 mg/m ³

· **PAC-3:**

70131-67-8	Hydroxy terminated polydimethylsiloxane	13,000 mg/m ³
63148-62-9	Polydimethylsiloxane	4,300 mg/m ³
13463-67-7	Titanium Dioxide	2,000 mg/m ³
67-56-1	Methanol	7200* ppm
13822-56-5	3-(trimethoxysilyl)propylamine	2,000 mg/m ³
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	1,500 mg/m ³
14808-60-7	Quartz (SiO ₂)	200 mg/m ³

7 Handling and Storage

· **Handling**

· **Precautions for safe handling:**

- Avoid contact with skin, eyes and clothing

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

Trade Name: Ultraflex-D Tan

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:**

Product can separate methanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool, dry place.

Store in a well ventilated place.

Store in the original container.

Protect from moisture.

· **Information about storage in one common storage facility:** See Section 10 (Incompatible materials)

· **Further information about storage conditions:** Keep receptacle tightly sealed.

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

8 Exposure Controls/Personal Protection

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters:**

· **Components with occupational exposure limits:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

1317-65-3 Natural limestone

NIOSH	Short-term value: 5 mg/m ³ Long-term value: 10 mg/m ³
NIOSH TWA	Short-term value: 5 mg/m ³ Long-term value: 10 mg/m ³ respirable dust
OSHA	Short-term value: 5 mg/m ³ Long-term value: 15 mg/m ³
OSHA TWA	Short-term value: 5 mg/m ³ Long-term value: 15 mg/m ³ respirable fraction

14808-60-7 Quartz (SiO₂)

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

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.

(Contd. on page 6)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

Trade Name: Ultraflex-D Tan

- **Personal protective equipment**
- **General protective and hygienic measures:**
 - Do not smoke around this product.
 - Do not eat or drink while handling product.
 - The usual precautionary measures for handling chemicals should be followed.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing and wash before reuse.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.

- **Breathing equipment:**



NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

- **Protection of hands:**



Protective gloves

- **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.

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 cannot be calculated in advance and has therefore to be checked prior to the application.

Any liquid-tight rubber or vinyl rubber protective gloves.

- **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

- **Eye protection:**



Tightly sealed goggles

- **Limitation and supervision of exposure into the environment:** None

* 9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Paste

Color: Tan

- **Odor:** Characteristic

- **Odor threshold:** Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: >140 °C (>284 °F)

(Contd. on page 7)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

Trade Name: Ultraflex-D Tan

- **Flash point:** ≥205 °C (≥401 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** >400 °C (>752 °F)
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure @ 25 °C (77 °F):** <7 hPa (<5.3 mm Hg)
- **Density:**
 - 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:** Not determined.
- **Solvent content:**
 - Organic solvents:** 0.6 %
 - VOC content:** 0.60 %
 - Solids content:** 43.4 %
- **Other information:** Explosion limits for released methanol: 5.5 - 44% (V).

10 Stability and Reactivity

- **Reactivity:** Stable under normal conditions.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** Thermal decomposition will result in carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide, nitrogen oxides and incompletely burnt hydrocarbons.
- **Possibility of hazardous reactions:** Reacts with: water. Reaction causes the formation of: methanol.
- **Conditions to avoid:** Moisture
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Under effect of humidity, water & protic agents: methanol

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

LD/LC50 values that are relevant for classification:		
1317-65-3 Natural limestone		
Oral	LD50	6,450 mg/kg (Rat)

(Contd. on page 8)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

Trade Name: Ultraflex-D Tan

68611-44-9 Fumed Silica		
Oral	LD50	>5,000 mg/kg (Rat)
13463-67-7 Titanium Dioxide		
Oral	LD50	>10,000 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (Rat)
14808-60-7 Quartz (SiO₂)		
Oral	LD50	>22,500 mg/kg (Rat)
Inhalative	LC50/96 hours	1,033 mg/l (Trout)

· **Primary irritant effect:**

· **On the skin:**

Irritating effect

May cause an allergic skin reaction.

· **On the eye:** Irritating effect.

· **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):**

Although IARC has classified Silicon Dioxide as possibly carcinogenic to humans (3), their summary concludes: "No significant exposure to Silicon Dioxide is thought to occur during the use of products which Silicon Dioxide is bound to other materials such as in cosmetics, paints, inks and other applications where the Silicon Dioxide presents no respirable hazard"

(a) Although IARC has classified titanium dioxide as possible carcinogenic to human (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products which titanium dioxide is bound to other materials, such as in cosmetics or in paints."

(b) OSHA does not regulate Titanium Dioxide as a carcinogen. However, under 29 CFR 1910.1200 the SDS must convey the fact that Titanium Dioxide is a potential carcinogen to rats.

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

13463-67-7	Titanium Dioxide	2B
14808-60-7	Quartz (SiO ₂)	1

· **NTP (National Toxicology Program):**

14808-60-7	Quartz (SiO ₂)	K
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· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

12 Ecological Information

· **Toxicity:**

· **Aquatic toxicity:**

13463-67-7 Titanium Dioxide	
EC50	>1,000 mg/l (Water flea)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

Trade Name: *Ultraflex-D Tan*

14808-60-7 Quartz (SiO₂)	
EC50	218 mg/l (Green algae)

- **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:**
Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

Section 355 (extremely hazardous substances):	
None of the ingredients are listed.	

Section 313 (Specific toxic chemical listings):	
67-56-1	Methanol

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

Trade Name: Ultraflex-D Tan

· TSCA (Toxic Substances Control Act):		
1317-65-3	Natural limestone	ACTIVE
70131-67-8	Hydroxy terminated polydimethylsiloxane	ACTIVE
63148-62-9	Polydimethylsiloxane	ACTIVE
2224-33-1	Vinyltri (methylethylketoxime) silane	ACTIVE
68611-44-9	Fumed Silica	ACTIVE
13463-67-7	Titanium Dioxide	ACTIVE
67-56-1	Methanol	ACTIVE
13822-56-5	3-(trimethoxysilyl)propylamine	ACTIVE
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	ACTIVE
1067-25-0	trimethoxypropylsilane	ACTIVE
14808-60-7	Quartz (SiO ₂)	ACTIVE
68928-76-7	Dimethyldineodecanoatetin	ACTIVE
68845-16-9	BIS[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENE DIAMINE	ACTIVE
26530-20-1	2-octyl-2H-isothiazol-3-one	ACTIVE
· Hazardous Air Pollutants		
67-56-1	Methanol	
· California Proposition 65:		
Warning: This product contains a chemical known in the state of California to cause birth defects.		
· Chemicals known to cause cancer:		
13463-67-7	Titanium Dioxide	
14808-60-7	Quartz (SiO ₂)	
· Chemicals known to cause reproductive toxicity for females:		
None of the ingredients are listed.		
· Chemicals known to cause reproductive toxicity for males:		
None of the ingredients are listed.		
· Chemicals known to cause developmental toxicity:		
67-56-1	Methanol	
· New Jersey Right-to-Know List:		
1317-65-3	Natural limestone	
13463-67-7	Titanium Dioxide	
67-56-1	Methanol	
14808-60-7	Quartz (SiO ₂)	
· New Jersey Special Hazardous Substance List:		
67-56-1	Methanol	TE, F3
14808-60-7	Quartz (SiO ₂)	CA
· Pennsylvania Right-to-Know List:		
1317-65-3	Natural limestone	
13463-67-7	Titanium Dioxide	
14808-60-7	Quartz (SiO ₂)	
· Pennsylvania Special Hazardous Substance List:		
None of the ingredients are listed.		

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

Reviewed on 04/01/2019

Trade Name: Ultraflex-D Tan

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**

13463-67-7	Titanium Dioxide	A4
14808-60-7	Quartz (SiO ₂)	A2

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

13463-67-7	Titanium Dioxide
14808-60-7	Quartz (SiO ₂)

· **GHS label elements**

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

· **Hazard pictograms:**



GHS07 GHS08

· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Titanium Dioxide
 Quartz (SiO₂)
 N-(3-(trimethoxysilyl)propyl)ethylenediamine
 2-octyl-2H-isothiazol-3-one

· **Hazard statements:**

H320 Causes eye irritation.
 H317 May cause an allergic skin reaction.
 H350 May cause cancer.

· **Precautionary statements:**

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264 Wash thoroughly after handling.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 If on skin: Wash with plenty of water.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

None of the ingredients are listed.

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/01/2019

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Trade Name: Ultraflex-D Tan

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

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of last revision/ revision number:** 04/01/2019 / 6

- **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
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 and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Liq. 4: Flammable liquids – Category 4
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 1A: Carcinogenicity – Category 1A
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

- *** Data compared to the previous version altered.**

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