



Flex Paste Clear

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard
Issue date: 12/19/2023 Revision date: 9/30/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product name : Flex Paste Clear
Product code : PFSCLR16; PFSCLR32 and PFSCLR09
Product form : Mixture

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Adhesives, binding agents
Restrictions on use : None

1.3. Supplier

UNITED STATES	CANADA
Swift Response LLC. 15499 SW 12th Street, Sunrise, FL 33326	Swift Response LLC. 277 Humberline Drive Toronto, ON M9W 0B6
Phone: 833-411-3539	Phone: 800-307-6201

1.4. Emergency telephone number

Emergency number : Chemtrec (800) 424-9300

SECTION 2: Hazard(s) identification


2.1. Classification of the substance or mixture

GHS US classification

Skin sensitization, Category 1	H317	May cause an allergic skin reaction
Reproductive toxicity Category 1B	H360	May damage the unborn child.
Full text of H statements : see section 16		

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) : 

Signal word (GHS US) : Danger

Hazard statements (GHS US) : H317 - May cause an allergic skin reaction
H360 - May damage the unborn child.

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing vapors.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective clothing, protective gloves.
P302+P352 - If on skin: Wash with plenty of water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P308+P313 - If exposed or concerned: Get medical advice/attention.

P405 - Store locked up.

P501 - Dispose of contents/container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients**3.1. Substances**

Not applicable

3.2. Mixtures

Name	Product identifier	%
Silicones and siloxanes, dimethyl-, reaction products with silica	CAS-No.: 67762-90-7	10 – 30
Trimethoxyvinylsilane	CAS-No.: 2768-02-7	1 - 5
Silica	CAS-No.: 112945-52-5	1 – 5
Dibutyltin oxide	CAS-No.: 818-08-6	< 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures**4.1. Description of first aid measures**

First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: May cause minor irritation to the respiratory tract and to other mucous membranes. May cause minor eye irritation. May cause slight irritation to the skin. May cause an allergic skin reaction. May damage the unborn child.
Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	: May cause slight irritation to the skin. May cause an allergic skin reaction.
Eyes	: May cause slight irritation.
Ingestion	: No adverse effects expected under normal conditions of use. Irritation to the digestive tract.
Chronic symptoms	: May damage the unborn child.

4.3. Immediate medical attention and special treatment, if necessary

None under normal conditions.

SECTION 5: Fire-fighting measures**5.1. Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media : Alcohol-resistant foam. Water spray. Dry powder. Carbon dioxide.
Unsuitable extinguishing media : Not determined.

5.2. Specific hazards arising from the chemical

Fire hazard : This product is not classified as flammable or combustible. Pressurized container: may burst if heated.
Hazardous decomposition products in case of fire : Toxic vapors may be released. Carbon oxides (CO, CO₂). Silicon oxides. Metal oxides.

5.3. Special protective equipment and precautions for fire-fighters

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**

General measures : Ventilate area. Avoid contact with eyes, skin and clothing. Stop leak if safe to do so.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Do not breathe vapors. Keep unnecessary and unprotected personnel away from the spillage. Only qualified personnel equipped with suitable protective equipment may intervene.

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 : Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak, if possible without risk.
Methods for cleaning up : Ventilate area. Take up liquid spill into absorbent material. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Use personal protective equipment as required.
Other information : Polymerizes slowly on exposure to air. Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Do not breathe vapors. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Contents under pressure. Do not puncture or incinerate containers. Handle in accordance with good industrial hygiene and safety procedures.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Separate working clothes from town clothes. Launder separately.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Store locked up. Store in a well-ventilated place. Keep away from heat and direct sunlight. Protect from physical damage. U.F.C. (NFPA 30B) Level I Aerosol.
Incompatible materials	: Store away from strong oxidizers, strong bases, strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Silicones and siloxanes, dimethyl-, reaction products with silica (67762-90-7)	
USA - OSHA - Occupational Exposure Limits	
Local name	Silica, amorphous, precipitated and gel
OSHA PEL (TWA)	20 mppcf
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use formula: $(80 \text{ mg/m}^3 / (\% \text{SiO}_2))$ for mg/m ³ . CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
Silica (112945-52-5)	
USA - OSHA - Occupational Exposure Limits	
Local name	Silica, amorphous, precipitated and gel
OSHA PEL (TWA)	20 mppcf
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use formula: $(80 \text{ mg/m}^3 / (\% \text{SiO}_2))$ for mg/m ³ . CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure adequate ventilation.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:
Wear suitable gloves
Eye protection:
Not required for normal conditions of use. Safety glasses. Recommended

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Not required for normal conditions of use. [In case of inadequate ventilation] wear respiratory protection.

Thermal hazard protection:

Not applicable.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Appearance	: Clear. Paste.
Color	: Clear to cloudy
Odor	: Odorless
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.02 – 1.07
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Product is not explosive
Oxidizing properties	: Not oxidising.

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

None known

10.5. Incompatible materials

Strong acids. Strong bases.

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

Trimethoxyvinylsilane (2768-02-7)	
LC50 Inhalation - Rat (Vapours)	16.8 mg/l/4h

Silicones and siloxanes, dimethyl-, reaction products with silica (67762-90-7)	
LD50 oral rat	> 6350 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 0.69 mg/l/4h

Silica (112945-52-5)	
LD50 oral rat	3160 mg/kg
LD50 dermal rat	> 2000 mg/kg

Dibutyltin oxide (818-08-6)	
LD50 oral rat	500 mg/kg body weight (OECD 423 method)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402 method)

Skin corrosion/irritation : Not classified
 Serious eye damage/irritation : Not classified
 Respiratory or skin sensitization : May cause an allergic skin reaction.
 Germ cell mutagenicity : Not classified
 Carcinogenicity : Not classified. This product does not contain any component that is considered a carcinogen by IARC, ACGIH, OSHA or NTP.
 Reproductive toxicity : May damage the unborn child.

Dibutyltin oxide (818-08-6)	
NOAEL (animal/male, F0/P)	1.9 – 2.3 mg/kg body weight (OECD 421 method)
NOAEL (animal/female, F0/P)	1.7 – 2.4 mg/kg body weight (OECD 421 method)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

Trimethoxyvinylsilane (2768-02-7)	
NOAEL (oral,rat,90 days)	62.5 mg/kg body weight (OECD 422 method)

Dibutyltin oxide (818-08-6)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified
 Viscosity, kinematic : No data available

Symptoms/effects	: May cause minor irritation to the respiratory tract and to other mucous membranes. May cause minor eye irritation. May cause slight irritation to the skin. May cause an allergic skin reaction. May damage the unborn child.
Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	: May cause slight irritation to the skin. May cause an allergic skin reaction.
Eyes	: May cause slight irritation.
Ingestion	: No adverse effects expected under normal conditions of use. Irritation to the digestive tract.
Chronic symptoms	: May damage the unborn child.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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Trimethoxyvinylsilane (2768-02-7)	
LC50 - Fish [1]	> 92.2 mg/l <i>Oryzias latipes</i> (Ricefish)
EC50 - Crustacea [1]	≈ 168.7 mg/l <i>Daphnia magna</i> (Water flea)
EC50 72h - Algae [1]	≥ 957 mg/l <i>Desmodesmus subspicatus</i>
LOEC (chronic)	52.4 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
NOEC (chronic)	28.1 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'

Silicones and siloxanes, dimethyl-, reaction products with silica (67762-90-7)	
LC50 - Fish [1]	> 10000 mg/l <i>Brachydanio rerio</i> (zebra-fish)
EC50 - Crustacea [1]	> 1000 mg/l <i>Daphnia magna</i> (Water flea)

Silica (112945-52-5)	
EC50 72h - Algae [1]	> 173.1 mg/l <i>Desmodesmus subspicatus</i>
LOEC (chronic)	149.2 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'

Dibutyltin oxide (818-08-6)	
EC50 - Crustacea [1]	2 mg/l <i>Daphnia magna</i> (Water flea)
EC50 72h - Algae [1]	≥ 1.6 mg/l <i>Desmodesmus subspicatus</i>

12.2. Persistence and degradability

Flex Paste Clear	
Persistence and degradability	No data available

Trimethoxyvinylsilane (2768-02-7)	
Persistence and degradability	Not readily biodegradable.

Silicones and siloxanes, dimethyl-, reaction products with silica (67762-90-7)	
Persistence and degradability	Not rapidly degradable

Silica (112945-52-5)	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds..

Dibutyltin oxide (818-08-6)	
Persistence and degradability	Not biodegradable.

12.3. Bioaccumulative potential

Flex Paste Clear	
Bioaccumulative potential	No bioaccumulation.
Trimethoxyvinylsilane (2768-02-7)	
Bioconcentration factor (BCF REACH)	≤ 3
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations**13.1. Disposal methods**

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user**DOT**

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information**15.1. US Federal regulations****Flex Paste Clear**

SARA Section 311/312 Hazard Classes

Refer to Section 2 for OSHA Hazard Classification.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations**CANADA****Trimethoxyvinylsilane (2768-02-7)**

Listed on the Canadian DSL (Domestic Substances List)

Silicones and siloxanes, dimethyl-, reaction products with silica (67762-90-7)

Listed on the Canadian DSL (Domestic Substances List)

Silica (112945-52-5)

Listed on the Canadian DSL (Domestic Substances List)

Dibutyltin oxide (818-08-6)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations**Flex Paste Clear**

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory
Listed on the Canadian DSL (Domestic Substances List)

15.3. US State regulations**WARNING:**

This product can expose you to Diuron, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Revision date : 9/30/2024

Full text of H-phrases

H317	May cause an allergic skin reaction
H360	May damage fertility or the unborn child

Indication of changes:

new version.

Safety Data Sheet (SDS), USA

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.