



# Flex Glue Clear Squeeze Tube

## Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard  
Issue date: 11/29/2023 Revision date: 3/20/2024 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product name : Flex Glue Clear Squeeze Tube  
Product code : GFSCLRMINI; GFSCLR04; GFSCLR04 and US377CLR04  
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

Flammable liquids Category 4	H227	Combustible liquid
Eye irritation Category 2A	H319	Causes serious eye irritation
Skin sensitization, Category 1	H317	May cause an allergic skin reaction
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation)

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) : Warning

Hazard statements (GHS US) : H227 - Combustible liquid  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H373 - May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation)

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 - Do not breathe vapors.

# Flex Glue Clear Squeeze Tube

## Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

P264 - Wash hands thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P280 - Wear protective gloves, eye protection.  
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.  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P314 - Get medical advice/attention if you feel unwell.  
P370+P378 - In case of fire: Use alcohol resistant foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>) to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
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
N-(3-(trimethoxysilyl)propyl)ethylenediamine	CAS-No.: 1760-24-3	1 - 5
Decanedioic acid,bis(1,2,2,6,6-pentamethyl-4-piperidiny)l ester	CAS-No.: 41556-26-7	< 1
Decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidiny)l methyl ester	CAS-No.: 82919-37-7	< 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.

# Flex Glue Clear Squeeze Tube

## Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

### 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. Causes serious eye irritation. May cause slight irritation to the skin. May cause an allergic skin reaction. May cause damage to organs (respiratory system) through prolonged or repeated exposure (inhalation).
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	: Causes serious eye irritation.
Ingestion	: Irritation to the digestive tract.
Chronic symptoms	: May cause damage to organs (respiratory system) through prolonged or repeated exposure (inhalation).

### 4.3. Immediate medical attention and special treatment, if necessary

None under normal conditions. Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

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

### 5.2. Specific hazards arising from the chemical

Fire hazard	: Combustible liquid. Flammable vapors may accumulate in the container.
Explosion hazard	: Intense heat may cause container to burst.
Hazardous decomposition products in case of fire	: Toxic vapors may be released. Carbon oxides (CO, CO <sub>2</sub> ). 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.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ventilate area. Remove ignition sources. Avoid contact with eyes, skin and clothing.
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#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.
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#### 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".
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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Ventilate area. No open flames, no sparks, and no smoking. Absorb with an inert material and place in an appropriate waste disposal container. Use personal protective equipment as required.
Other information	: Dispose of materials or solid residues at an authorized site.

# Flex Glue Clear Squeeze Tube

## Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

### 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

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure adequate ventilation. Do not breathe vapors. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. 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

Storage conditions : Store in a well-ventilated place. Keep cool. Keep away from ignition sources. Keep container tightly closed.

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 <sup>3</sup> . 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

<b>Hand protection:</b>
Wear suitable gloves
<b>Eye protection:</b>
Safety glasses
<b>Skin and body protection:</b>
Wear suitable protective clothing
<b>Respiratory protection:</b>
In case of insufficient ventilation, wear suitable respiratory equipment

### Thermal hazard protection:

Not applicable.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Gel. Clear, colorless liquid. Glues from tubes.
Color	: Colorless
Odor	: Odourless
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	: 80 – 88 °C Based on analogue
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	: Lower explosion limit: 1.4 vol % Vinyltrimethoxysilane Upper explosion limit: 23.94 Vinyltrimethoxysilane
Explosive properties	: Product is not explosive.
Oxidizing properties	: Not oxidising.

### 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

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

### 10.5. Incompatible materials

Strong acids. Strong bases.

# Flex Glue Clear Squeeze Tube

## Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

### 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

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

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

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
LD50 oral rat	2295 mg/kg
LD50 dermal rabbit	> 2000 mg/kg body weight AEPA OPPTS 870.1200
LC50 Inhalation - Rat	1.49 – 2.44 mg/l (OECD 403 method)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
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	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation).

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

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg body weight (OECD 422 method)
NOAEL (dermal, rat/rabbit, 90 days)	≥ 1545 mg/kg body weight
STOT-repeated exposure	May cause 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. Causes serious eye irritation. May cause slight irritation to the skin. May cause an allergic skin reaction. May cause damage to organs (respiratory system) through prolonged or repeated exposure (inhalation).
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	: Causes serious eye irritation.
Ingestion	: Irritation to the digestive tract.

# Flex Glue Clear Squeeze Tube

## Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Chronic symptoms : May cause damage to organs (respiratory system) through prolonged or repeated exposure (inhalation).

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Silicones and siloxanes, dimethyl-, reaction products with silica (67762-90-7)	
LC50 - Fish [1]	> 10000 mg/l Brachydanio rerio (zebra-fish)
EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna (Water flea)
Trimethoxyvinylsilane (2768-02-7)	
LC50 - Fish [1]	> 92.2 mg/l Oryzias latipes (Ricefish)
EC50 - Crustacea [1]	≈ 168.7 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	≥ 957 mg/l Desmodesmus subspicatus
LOEC (chronic)	52.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	28.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
LC50 - Fish [1]	597 mg/l Danio rerio (Zebrafish)
EC50 - Crustacea [1]	81 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	126 mg/l Desmodesmus subspicatus
EC50 72h - Algae [2]	352 mg/l Desmodesmus subspicatus

#### 12.2. Persistence and degradability

Flex Glue Clear Squeeze Tube	
Persistence and degradability	No data available
Silicones and siloxanes, dimethyl-, reaction products with silica (67762-90-7)	
Persistence and degradability	Not rapidly degradable
Trimethoxyvinylsilane (2768-02-7)	
Persistence and degradability	Not readily biodegradable.
N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
Persistence and degradability	Readily biodegradable.
Decanedioic acid,bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester (41556-26-7)	
Persistence and degradability	Rapidly degradable
Decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidiny) methyl ester (82919-37-7)	
Persistence and degradability	Rapidly degradable

#### 12.3. Bioaccumulative potential

Flex Glue Clear Squeeze Tube	
Bioaccumulative potential	No bioaccumulation.

# Flex Glue Clear Squeeze Tube

## Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

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
<b>14.1. UN number</b>			
Not applicable	Not applicable	Not regulated	Not regulated
<b>14.2. Proper Shipping Name</b>			
Combustible liquid, n.o.s. (Vinyltrimethoxysilane)	Not applicable	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Combustible liquid	Not applicable	Not regulated	Not regulated
Not applicable	Not applicable	Not regulated	Not regulated
<b>14.4. Packing group</b>			
III	Not applicable	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Dangerous for the environment: No	Not applicable	Not regulated	Not regulated
No supplementary information available			

### 14.6. Special precautions for user

**DOT**  
UN-No.(DOT) : NA1993

# Flex Glue Clear Squeeze Tube

## Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

DOT Special Provisions (49 CFR 172.102)	: 148 - For domestic transportation, this entry directs to § 173.66 for: a. The standards for transporting a single bulk hazardous material for blasting by cargo tank motor vehicles (CTMV); and b. The standards for CTMVs capable of transporting multiple hazardous materials for blasting in bulk and non-bulk packagings (i.e, a multipurpose bulk truck (MBT)). IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

**TDG**  
Not applicable

**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 Glue Clear Squeeze Tube	
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

Silicones and siloxanes, dimethyl-, reaction products with silica (67762-90-7)
Listed on the Canadian DSL (Domestic Substances List)

# Flex Glue Clear Squeeze Tube

## Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

### Trimethoxyvinylsilane (2768-02-7)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

### Decanedioic acid,bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester (41556-26-7)

Listed on the Canadian DSL (Domestic Substances List)

### Decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidiny) methyl ester (82919-37-7)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

#### Flex Glue Clear Squeeze Tube

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)

### Decanedioic acid,bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester (41556-26-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 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](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Revision date : 3/20/2024

#### Full text of H-phrases

H227	Combustible liquid
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure

#### 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.