



# SAFETY DATA SHEET

## 10FL OZ SILICONE CLEAR

### SECTION 1. IDENTIFICATION

**Product Identifier**

**Product name:** F4P 10FL OZ SILICONE CLEAR

**Product code(s):** F4P SILICONE 0292-9644

**Synonym(s):** Silicone Sealant.

**REACH Registration Number:** No data available.

**Relevant identified uses of the substance or mixture and uses advised against**

**General use:** General purpose sealant and adhesive.

**Uses advised against:** None known.

**Details of the supplier and of the safety data sheet**

**Manufacturer:** Everkem Diversified Products, 5180 Indiana Avenue, Winston-Salem, NC 27106 USA +1-800-638-3160

**Distributor:** F4P, 11675 SW Tom Mackie Blvd, Port St. Lucie, FL 34987

**Emergency telephone number:** CHEMTREC 1-800-424-9300

**Poison control telephone number:** 1-800-222-1222

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**Product definition:** Mixture.

**Classification in accordance with 29 CFR 1910 (OSHA HCS) and Regulation (EC) No 1272/2008**

Skin Irritant - Category 2 [H315]

Eye Irritant - Category 2B [H320]

**Labeling (Regulation (EC) No 1272/2008)**

**Hazard Symbol(s)**



GHS07

**Signal Word:**

Warning

**Hazard Statement(s)**

H315 - Causes skin irritation

H320 - Causes eye irritation

**Precautionary**

P264 - Wash hands and exposed skin areas after handling.

**Statements (Prevention)**

P280 - Wear protective gloves, protective clothing and eye protection.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

**(Response)**

P321 - Specific treatment: Seek medical attention. Refer to Section 4 of this SDS.

P332 + P313 - If skin irritation occurs: Get medical attention.

P362 - Take off contaminated clothing and wash before reuse.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical attention.



# SAFETY DATA SHEET

## IOFL OZ SILICONE CLEAR

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substances** Not applicable.

**Mixtures**

% by Weight	Ingredient	CAS #	EC #	Index #	EC Classification
7.0 - 13.0	Silicon Dioxide, Amorphous	7631-86-9	265-148-2	-	-
1.0 - 7.0	Distillates (Petroleum), Hydrotreated Middle	64742-46-7	265-148-2	649-221-00-X	H227, H290, H302
1.0 - 5.0	Ethyltriacetoxysilane	17689-77-9	241-677-4	-	-
1.0 - 5.0	Methyltriacetoxysilane	4253-34-3	244-221-9	-	-
0.1 - 1.0	Octamethylcyclotetrasiloxane	556-67-2	209-136-7	014-018-00-1	Repr. Cat. 3, R62; R53

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

### SECTION 4. FIRST AID MEASURES

**Description of necessary first aid measures**

- Inhalation** If product vapor causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Loosen tight clothing such as a collar, a collar, tie, belt or waistband. If symptoms persist, seek medical attention.
- Eye contact** Immediately flush eyes with large amounts of water for 15 minutes, occasionally lifting upper and lower lids. Remove contact lenses, if present and easy to do, after first 2 minutes and continue rinsing. Obtain immediate medical attention, preferably from an ophthalmologist.
- Skin contact** Remove contaminated clothing. Quickly and gently remove excess product with a dry cloth or paper towel. Flush skin with lukewarm water for 15 minutes. Wash affected area with soap and water. Clean contaminated clothing and shoes before reuse. If irritation persists, seek medical advice.
- Ingestion** Rinse mouth with water if victim is conscious. Remove dentures, if present. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration of material into the lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately.



# SAFETY DATA SHEET

## IOFL OZ SILICONE CLEAR

### Most important symptoms and effects, both acute and delayed

#### Potential health symptoms and effects

**Eye contact** Causes moderate to severe eye irritation. Symptoms include redness, itching, swelling, tearing and pain.

**Skin contact** Causes skin irritation. Symptoms may include localized redness and itching.

**Inhalation** Vapor may cause irritation of the respiratory tract. Symptoms may include irritation of the nose and throat.  
**Chronic** Persons with pre-existing skin disorders or respiratory impairment may be more susceptible to the effects of this material. Silicon Dioxide is a suspected animal carcinogen. Octamethylcyclotetrasiloxane has caused reproductive effects in laboratory animals.

### Indication of any immediate medical attention and special treatment needed

#### Advice to Doctor and Hospital Personnel

Treat symptomatically and supportively.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishable media

**Suitable methods of extinction** Use water fog or water spray, dry chemical, carbon dioxide and foam.

**Unsuitable methods of extinction** None known.

**Specific hazards arising from substance or mixture** Closed containers may explode due to the buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention. This product contains methylpolysiloxanes, which can generate formaldehyde at temperatures greater than 150 °C (300 °F). Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential cancer hazard. Material releases Acetic Acid when wet.

**Explosion hazards** Material does not present an explosion hazard.

**Advice for firefighters** Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If possible, firefighters should control runoff water to prevent environmental contamination. Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations.



# SAFETY DATA SHEET

## IOFL OZ SILICONE CLEAR

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Evacuate non-essential personnel. Remove all sources of ignition. Ventilate the area. Wear appropriate protective clothing and equipment designated in Section 8. Spilled material creates a slip hazard.

**Environmental precautions** Avoid dispersal of spilled material and prevent contact with soil and entry into drains, sewers or waterways.

**Methods and materials for containment and cleaning up** Approach spill from upwind direction. Cover drains and contain spill. Cover spill with non-combustible absorbent. Wipe or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items used in the cleanup of releases. Place material to be discarded into an approved container for proper disposal. Observe possible material restrictions [refer to Sections 7.2 and 10.5].

**Reference to other sections** For indications about waste treatment, see Section 13.

### SECTION 7. HANDLING AND STORAGE

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#### Precautions for safe handling

Observe label precautions.. Wear all appropriate protective equipment specified in Section 8. Keep containers closed when not in use. Use with adequate ventilation. Product evolves Acetic Acid when exposed to water or humid air. Provide ventilation during use to control Acetic Acid within exposure guidelines or use respiratory protection. Avoid contact with eyes and skin. Avoid breathing vapor.

**Advice on protection against fire and explosion** Product does not present a fire or explosion hazard.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in cool, dry, well-ventilated storage areas. Transfer only to approved containers having correct labeling. Protect containers against physical damage. Keep containers tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not reuse empty containers as they may retain product residues. Use appropriate containment to avoid environmental contamination. Ventilate closed areas. Do not take internally. Keep out of reach of children.

**Specific end uses** Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.



# SAFETY DATA SHEET

## IOFL OZ SILICONE CLEAR

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

#### Occupational exposure limits (OSHA United States)

CAS Number	Ingredient	OSHA PEL	ACGIH TLV	NIOSH
7631-86-9	Silicon Dioxide, Amorphous	80 mg/m <sup>3</sup> TWA (final rule)	-	10 ppm, 6 mg/m <sup>3</sup> TWA
17689-77-9	Ethyltriacetoxysilane	See Acetic Acid comment.*	-	-
4253-34-3	Methyltriacetoxysilane	See Acetic Acid comment.*	-	-
556-86-9	Octamethylcyclotetrasiloxane**	-	-	-

\*Acetic Acid (CAS #64-19-7) is formed upon contact with water or humid air.

Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGI TLV: TWA 10 ppm, STEL 15 ppm.

\*\*Manufacturer's PEL: TWA 10 ppm

#### Exposure controls

**Engineering Measures** Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable. Refer to section 7.1.

**Individual protection measures** Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

**Hygiene measures** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

**Eye/face protection** Wear protective goggles or safety glasses with unperforated side shields during use. Refer to 29 CFR 1910.133, ANSI Z87.1 or European Standard EN 166. It is recommended that contact lenses be removed before using this sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses, causing severe eye irritation.

**Hand Protection** Wear Nitrile rubber or Neoprene gloves or those recommended by glove supplier for protection against materials in Section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period. Other protective equipment: Long sleeve shirts and trousers without cuffs; boots if the situation calls for them.

**Respiratory Protection** None needed under ambient conditions with adequate local exhaust. Always use an approved respirator when vapors are generated. Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full -faced supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environmental exposure controls** Do not empty into drains.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Clear, colorless paste	<b>Vapor pressure</b>	No data available
<b>Odor</b>	Acetic Acid odor	<b>Vapor density</b>	No data available.
<b>Odor threshold</b>	2 ppm (Acetic Acid)	<b>Vapor pressure</b>	No data available.
<b>Molecular Weight</b>	Not applicable	<b>Solubility in Water</b>	Negligible.
<b>Chemical Formula</b>	Not applicable.	<b>Flammability (solid, gas)</b>	Not applicable.
<b>pH</b>	No data available.	<b>Partition coefficient: noctanol/ water</b>	Not determined.
<b>Melting/Freezing Point</b>	No data available.	<b>Viscosity</b>	No data available.
<b>Initial Boiling Point</b>	No data available.	<b>Specific Gravity</b>	1.007
<b>Evaporation Rate</b>	No data available.	<b>Volatiles by Weight @ 70 °F</b>	Not determined.
<b>Flash Point</b>	>100 °C (>212 °F), closed cup		
<b>Auto-ignition temperature:</b>	No data available		
<b>Decomposition temperature:</b>	No data available		
<b>Lower and upper explosive (flammable) limits (LEL)</b>	No data available		

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No special reactivity has been reported. Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	Temperature extremes, incompatible materials, moisture.
<b>Incompatible materials</b>	Oxidizing agents, water, moisture.
<b>Hazardous decomposition products</b>	Thermal decomposition products include carbon oxides, acetic acid, silicon dioxide, formaldehyde.



# SAFETY DATA SHEET

## IOFL OZ SILICONE CLEAR

### SECTION II. TOXICOLOGICAL INFORMATION

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#### Information on toxicological effects

<b>Acute Oral toxicity</b>	Expected to have low acute oral toxicity.
<b>Acute inhalation toxicity</b>	Expected to have low acute inhalation toxicity.
<b>Acute dermal toxicity</b>	Expected to have low acute dermal toxicity.
<b>Skin irritation</b>	Causes skin irritation.
<b>Eye irritation</b>	Causes moderate to severe eye irritation.
<b>Sensitization</b>	No data available.
<b>Genotoxicity in vitro</b>	No data available.
<b>Mutagenicity</b>	No data available.
<b>Specific organ toxicity - single exposure</b>	No data available.
<b>Specific organ toxicity - repeated exposure</b>	No data available.
<b>Aspiration hazard</b>	No data available.

#### Further Information

Silicon Dioxide (CAS #7631-86-9): IARC Group 3 Carcinogen - Not classifiable as to its carcinogenicity to humans. Not listed as a carcinogen by ACGIH, NTP or OSHA.

Reproductive effects have been reported in test animals exposed to Octamethylcyclotetrasiloxane (CAS #556-67-2).

No data is available regarding the mutagenicity or teratogenicity of this product nor is there available data that indicates that it causes adverse developmental or fertility effects in humans. Handle in accordance with good industrial hygiene and safety practice.



# SAFETY DATA SHEET

## 10FL OZ SILICONE CLEAR

### SECTION 12. ECOLOGICAL INFORMATION

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**Toxicity** Complete ecotoxicity data for this product is not yet available.

**Persistence and degradability** Organic materials in this product is expected to biodegrade over time.

**Bioaccumulation potential** Not expected to bioaccumulate.

**Mobility in soil** No data available.

**Results of PBT and vPvB assessment** No data available.

#### Other adverse effects

#### Additional ecological information

Do not allow material to run into surface waters, wastewater or soil.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### SECTION 13. DISPOSAL CONSIDERATIONS

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**Waste treatment methods** The generation of waste should be avoided or minimized whenever possible. Although this product is classified as non-hazardous under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261 this material and its container should be disposed of in a safe way as empty containers may contain product residue. Leave chemicals in original containers. No mixing with other waste. Handle unclean containers like the product itself. Incinerate in an approved facility. Do not incinerate closed container. Dispose of in accordance with the Directive 2008/98/EC as well as other national, federal, state/provincial and local laws and regulations.

**Hazardous waste** The classification of this product may meet the criteria for a hazardous waste.

### SECTION 14. TRANSPORT INFORMATION

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**Note:** Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

**NOT REGULATED FOR TRANSPORT**





# SAFETY DATA SHEET

## 10FL OZ SILICONE CLEAR

### SECTION 15. REGULATORY INFORMATION

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

#### U.S. Federal regulations

**OSHA Hazard Communication Standard** This material is classified as hazardous in accordance with OSHA 29 CFR 1910-1200.

**TSCA Status** All components of this product are listed or exempt from listing on the Toxic Substance Control Act (TSCA) Inventory.

#### **Superfund Amendments and Reauthorization Act (SARA)**

**SARA Section 311/312 Hazard Categories** Acute Health Hazard.

**SARA 313 Information:** This material is not subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

**SARA 302/304 Extremely Hazardous Substance** No components of the product are subject to the reporting requirements of these sections of Title III of SARA.

**SARA 302/304 Emergency Planning & Notification** No components of the product are subject to the reporting requirements of these sections of Title III of SARA.

**Comprehensive Response Compensation and Liability Act (CERCLA)** This product contains no CERCLA reportable substances.

**Clean Air Act (CAA)** This product does not contain any substances listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).  
This product does not contain any Class 1 Ozone depletors.  
This product does not contain any Class 2 Ozone depletors.



# SAFETY DATA SHEET

## IOFL OZ SILICONE CLEAR

**Clean Water Act (CWA)** None of the chemicals in this product are listed as Hazardous Substances under the CWA.  
None of the chemicals in this product are listed as Priority Pollutants under the CWA.  
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.  
Distillates (Petroleum) Hydrotreated Middle (CAS #64742-46-7) is classified as an oil under Section 311 of the CWA and the Oil Pollution Act (OPA) of 1990.

### U.S. State Regulations

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986** Petroleum-based chemicals in this product may contain trace amounts of materials known to the State of California to cause cancer or reproductive harm.

**Other U.S. State Inventories** Silicon Dioxide (CAS #7631-86-9) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: CA, MA, MN, NJ, PA.

### Canada

#### **WHMIS Hazard Symbol and Classification**



D1B - Toxic material causing immediate and toxic effects

D2A - Very toxic material causing other toxic effects

D2B - Eye irritation - Skin irritation - Toxic material causing other toxic effects

#### **Canadian National Pollutant Release Inventory (NPRI)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations, and the MSDS contains all the information required by the Controlled Products Regulations.

#### **Canadian Ingredient Disclosure List (IDL)**

Silicon Dioxide (CAS #7631-86-9) is listed on the IDL.

#### **Canadian National Pollutant Release Inventory (NPRI)**

None of the chemicals in this material are listed on the NPRI.

### European Economic Community

**Labeling (67/548/EEC or 1999/45/EC)** None allocated.

**Risk Phrases:** R34/38 - Irritating to the eyes and skin.

**Risk Phrases:** S2 - Keep out of reach of children.  
S24/25 - Avoid contact with skin and eyes.  
S41 - Use only in well ventilated areas.

#### **WGK, Germany (Water danger/protection) 2**

**Chemical safety assessment** For this product a chemical safety assessment was not carried out.

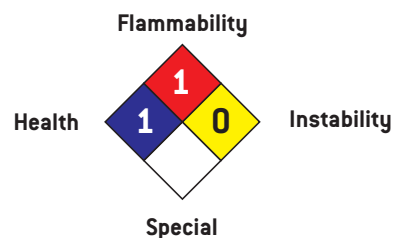
### SECTION 16. OTHER INFORMATION

#### Hazardous Material Information System HMIS

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	C

**HMIS & NFPA Hazard Rating Legend**  
 \* = Chronic Health Hazard    2 = MODERATE  
 0 = INSIGNIFICANT            3 = HIGH  
 1 = SLIGHT                      4 = EXTREME

#### National Fire Protection Association (NFPA)



#### Full Text of Risk (R) – Phrases Referenced in Section 3.

- R62 - Risk of impaired fertility.
- R65 - Harmful: May cause lung damage if swallowed.
- R53 - May cause long-term adverse effects in the aquatic environment.

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