

1. Identification

1.1. Product identifier

Product Identity Formula 8

Alternate Names Formula 8

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

Intended use Multipurpose thread sealant.

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Fluoramics, Inc
902 East 2nd Street #326
Winona, Minnesota 55987

Emergency

24 hour Emergency Telephone No. 507-205-9216

Customer Service: Fluoramics, Inc 507-205-9216

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Non-hazardous mixture.

Eye Irrit. 2b;H320 Causes eye irritation.

2.2. Label elements

H320 2B Causes eye irritation.

[Prevention]:

P264 Wash thoroughly after handling.

P280 Wear eye protection

[Response]:

P302+352 If on skin: Wash with plenty of soap and water.

P305+351+338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P337+313 If eye irritation persists: Get medical advice or attention.

[Storage]:

No GHS storage statements.

Freeze sensitive. Do not store at temperatures below 0c/32f

[Disposal]:

P501 Dispose of contents or container in accordance with local and national regulations.

3. Composition/information on ingredients

This product is a mixture
Complex Substance(s) required for disclosure

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes *
Fluorinated polymer CAS Number: 0009002-84-0	5 - 10	Not Classified	----
Titanium dioxide CAS Number: 0013463-67-7	1 - 5	Not Classified	----

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

* The full texts of the phrases are shown in Section 16.

This product contains no PBT/vPvB chemicals.

Section 4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Move to fresh air. If breathing is affected, call a doctor.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Overview	No special requirements under ordinary conditions of use. Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details.
Eyes	Causes eye irritation.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: Incombustible, will not burn. .

Unsuitable Extinguishing Media: not applicable

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: In case of extreme fire, the following hazardous smoke fumes may be produced: hydrogen fluoride and carbon dioxide, fumes. (above 650c/1202f).

5.3. Advice for fire-fighters

Put on appropriate personal protective equipment (see section 8).

Wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

ERG Guide No. ----

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Obey relevant local, state, provincial and federal laws and regulations.

6.3. Methods and material for containment and cleaning up

Wipe up with absorbent towels; let dry, dispose of according to Federal, State, Local, or Provincial regulations.

Section 7. Handling and storage

7.1. Precautions for safe handling

Store in cool, dry ventilated area. Avoid excessive heat. Always keep containers tightly closed when not in use. Avoid contact with eyes. Observe good industrial hygiene practices.

Use appropriate personal protective equipment (see section 8). Do not ingest. Avoid contact with eyes

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Do not store at temperatures below 0c/32f.

Section 8. Exposure controls / personal protection

8.1. Control parameters

CAS No.	Ingredient	Exposure	
		Source	Value
0009002-84-0	Fluorinated polymer	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0013463-67-7	Titanium dioxide	OSHA	TWA 15 mg/m ³
		ACGIH	TWA: 10 mg/m ³
		NIOSH	Footnote ca
		Supplier	No Established Limit

Due to the physical nature of this mixture, all materials are bound in mixture and exposure to dust particles is not a potential.

8.2. Exposure controls
Respiratory

No protection is ordinarily required under normal conditions of use.

Eyes

Wear safety glasses with side shields to protect the eyes.

Skin

No skin protection is ordinarily required under normal conditions of use. To provide hand protection, Use gloves such as nitrile or neoprene rubber gloves to keep skin contact to a minimum.

Engineering Controls

No specific requirements under ordinary conditions of use.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet.

Section 9. Physical and chemical properties

Appearance	(paste)White paste. (applied dried product) hard, white
Odor	Low Odor /none
Odor threshold	No available information
pH	No available information
Freezing point	(paste)-2c/28f (applied Dried product) none
Initial boiling point and boiling range	(paste) 100c/212f (paste) (applied dried product) none
Flash Point	none
Evaporation rate (Ether = 1)	No available information
Flammability (solid, gas)	No available information
Upper/lower flammability or explosive limits	LEL: N/D UEL: N/D
Vapor pressure (Pa)	<0.01
Vapor Density	N/D
Solubility in Water	Dispersible
Partition coefficient n-octanol/water (Log Kow)	N/D
Auto-ignition temperature	N/D
Decomposition temperature	N/D
Viscosity (cSt)	N/D
VOC Content	(paste) 2.1% (27g/l) (applied dried product) >1%
Relative Density	(at 15.6°C) 1.2g/l
Explosive properties	none
9.2. Other information	
No other relevant information.	

Section 10. Stability and reactivity**10.1. Reactivity**

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Conditions to avoid

N/D. See technical data sheet for chemical compatibility(s)

10.5 Incompatible materials

N/D

10. 6. Hazardous decomposition products

In case of extreme fire, the following hazardous smoke fumes may be produced: hydrogen fluoride and carbon dioxide, fumes. (above 650c/1202f).

Section 11. Toxicological information

General Information: No toxicology tests have been conducted on this mixture itself.

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Fluorinated polymer - (9002-84-0)	No data available	No data available	No data available	No data available	No data available
Titanium dioxide - (13463-67-7)	> 2,000.00, Rat - Category: NA	No data available	5.09, Rat - Category: 3	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0009002-84-0	Fluorinated polymer	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes ;Group 4: No
		ACGIH	No Established Limit
0013463-67-7	Titanium dioxide	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
		ACGIH	A4

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Eye irritation	2b	Causes eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Section 12. Ecological information

12.1. Toxicity

General Information No investigations were carried out with the mixture itself. No evidence for hazardous properties. (analogy of components)

Aquatic Ecotoxicity – individual elements.

Note: Due to the physical nature of this mixture, all materials are bound in mixture and exposure to particles is not a potential.

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Fluorinated polymer - (9002-84-0)	Not Available	Not Available	Not Available
Titanium dioxide - (13463-67-7)	294.00, Oryzias latipes	> 100.00, Daphnia magna	> 100.00 (72 hr), Pseudokirchneriella subcapitata

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

No available information

12.4. Mobility in soil

No available information

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No available information

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

Section 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No;		
14.6. Special precautions for user	No available information		

Section 15. Regulatory information**Safety, health and environmental regulations/legislation specific for this Mixture**

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

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

US EPA Tier II Hazards

Fire: No
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): No
Delayed (Chronic): No

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Inventory Information

REACH (eu) preregistered, registered or exempted

TSCA (usa) listed or exempted

DSL (cdn) listed or exempted

AICA (aus) listed or exempted

METI (J) listed or exempted

ECL (kor) listed or exempted

PICCS (rp) listed or exempted

IECSC (cn) listed or exempted

HSMO (nz) listed or exempted hsr002605, lubricants(low hazard) group standard 2006

ECS (Taiwan) listed or exempted

Section 16. Other information

National Fire Protection Association (USA) NFPA	Health	1	Flammability	0	Reactivity	0		
Hazardous Material Identification System (USA) HMIS	Health	1	Flammability	0	Reactivity	0	Special Hazard	0

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H320 2B Causes eye irritation.

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