

Product Identification

Section 1

Product name Florogel  
Part number M1-084  
Synonyms Florogel  
Product usage Florogel floor coating  
Company Crawford Laboratories, Inc  
1120 W Exchange  
Chicago, IL 60609  
Phone 773-376-7132  
Chemtrec 800-424-9300

Hazard Identification

Section 2

GHS Classifications Skin Corrosion/Irritation: Category 1,  
Skin sensitization: Category 1A,  
Eye Damage: Category 1,  
Acute Toxicity (Oral): Category 4,  
Reproductive Toxicity: Category 2,  
Aquatic (Acute): Category 1,  
Aquatic (Chronic): Category 2

Signal word **Danger**

Pictograms



Hazard statements H302 Harmful if swallowed  
H315 Causes skin irritation  
H318 Causes serious eye damage  
H335 May cause respiratory irritation  
H361 Suspected of damaging fertility or the unborn child  
H400 Very toxic to aquatic life  
H411 Very Toxic to aquatic life with long lasting effects

Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash thoroughly after handling.  
P262 Do not get in eyes, skin, or clothing.  
P273 Avoid release to the environment.

P280 Wear protective gloves/protective/eye protection/face protection.  
 P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
 P362 Take off contaminated clothing.  
 P391 Collect Spillage.  
 P351 Rinse cautiously with water for several minutes.  
 P338 Remove contact lenses if present and easy to do. Rinse Continuously.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Additional hazard Information      Percentage of mixture with unknown Acute Toxicity:  
*none*

**Composition Information of Ingredients** Section 3

Component	CAS No.	Weight %
Epoxy Resin	25085-99-8	60-80
Nonylphenol	84852-15-3	5-20
Diluent	68609-97-2	5-20
Flow additive	Proprietary	5-10

*Where a range is displayed or the exact percentage of the component in the composition has been withheld it is considered a trade secret.  
 Ingredients not listed on this SDS are considered to be non-hazardous.*

**First Aid Measures** Section 4

**General**      Consult a physician. Show the physician this SDS. Move out of dangerous area immediately.

**Inhalation**      Move person to fresh air and breathe normally. If experiencing respiratory symptoms call POISON CENTER or doctor.

**Eyes**      Rinse cautiously with water for several minutes. Remove contact lenses if present. If eye irritation persists get medical attention.

**Ingestion**      Immediately call POISON CENTER or physician. DO NOT induce vomiting. Do not eat, taste, or ingest. Rinse mouth if person is conscious.

**Skin**      Take off all contaminated clothing. Rinse skin with water. Wash with soap and water. If skin irritation or rash occurs get medical attention.

**Most Important Symptoms/Effects**

**Acute**      Irritation in the respiratory tract, nausea, vomiting, gastritis, rash, irritation to burns

**Delayed**      N/D

*N/D = No data available for the mixture*

## Fire Fighting Measures

## Section 5

Extinguishing media	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Extinguishing methods	Water may be used to keep exposed containers cool, and to keep flammable structures wet.
Special protective equipment	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
Special hazards	Carbon Oxides
Important additional information	Containers may explode upon exposure to excessive heat and fire situations.  Water may be used to keep exposed containers cool, and to keep flammable structures wet.  Do not enter fire area without proper protection because hazardous decomposition products may be present. Sealed containers may explode if overheated.

## Accidental Release Measures

## Section 6

Personal precautions	<i>Protective equipment:</i> Protective respirator, safety goggles, and gloves. Ensure adequate ventilation. Avoid breathing dust.  <i>Emergency procedures:</i> Evacuate personnel to safe areas.
Methods for clean up and disposal	Collect the material using absorbents or other equipment required by the size of the release. Decontaminate the area, collecting any cleaning and rinsing media for proper reclamation or disposal. Soak up with an absorbent and place in non-leaking containers. Seal tightly for disposal according to local and federal regulations.

## Handling and Storage

## Section 7

Precautions for safe handling	As with any chemical product, use good laboratory/workplace procedures. Do not cut, puncture, or weld on or near the container. Use under well-ventilated conditions. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities.  Avoid eye and skin contact. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.  Avoid formation of dust and aerosols. The potential for combustible dust formation should be taken into consideration before additional
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processing occurs, like sanding and grinding. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including incompatibilities

Protect container from physical abuse. Keep the container tightly closed. Store in dry well-ventilated areas. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Do not reuse empty containers.

Exposure Controls/Personal Protection

Section 8

Component	CAS#	ACGIH/TLV	OSHA/PEL	*V/P
Epoxy Resin	25085-99-8	N/D	N/D	N/D
Nonylphenol	84852-15-3	N/D	N/D	0.9 mm HG
Diluent	68609-97-2	N/D	N/D	N/D
Flow additive	Proprietary	N/D	N/D	N/D

\*Vapor Pressure limit

Engineering Controls

Ventilation

Local and general ventilation controls recommended. Wash hands before breaks and at the end of the workday.

Personal Protective Equipment

Eye/Face protection

Protective safety goggles and/or face shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Other protective considerations

Wash thoroughly after handling. Wash hands before eating, smoking, or touching the facial area.

Physical/Chemical Properties

Section 9

Physical state

Liquid

Appearance Milky  
 Odor N/D  
 Flashpoint > 200 F  
 Vapor density Heavier than air  
 Liquid density Heavier than water  
 Volatiles volume 0 %  
 Evaporation Rate n-Butyl Acetate  
 pH N/D  
 Vapor pressure N/D  
 Relative density 1.13  
 Solubility Insoluble  
 Partition coefficient N/D  
 Auto Ignition temp N/D  
*N/D = No Data Available*

**Stability and Reactivity** Section 10

Chemical stability Stable under recommended storage conditions  
 Hazardous reactions Will not polymerize  
 Conditions to avoid N/D  
 Incompatibility Oxidizing agents and strong alkalis  
 Hazardous decomposition products Incomplete combustion for products like this may generate highly poisonous carbon monoxide, carbon dioxide, and oxides of nitrogen.

**Toxicological Information** Section 11

Routes of exposure Inhalation, skin, eyes, ingestion  
 Symptoms of exposure Acute: Headache, dizziness, nausea, and loss of consciousness, vomiting due to ingestion, skin irritation  
 Chronic: Severe eye irritation possibly resulting in permanent damage  
 Irritated mucous membranes, Dry skin  
 Carcinogenicity N/D  
*N/D = No Data Available*

**Acute Toxicity Values**

The acute toxicity effects of this mixture have not been tested. Data on individual components are tabulated below:

Name	CAS#	Oral LD50	Dermal LD50	Vapor LC50
Epoxy Resin	25085-99-8	11400 mg/kg Rat > 2000 mg/kg	11400 mg/kg Rat > 2000 mg/kg	N/A

		Rabbit	Rabbit	
Nonylphenol	84852-15-3	> 1240 mg/kg	N/A	N/A
Diluent	68609-97-2	30.1 ml/kg	N/D	N/D
Flow additive	Proprietary	N/D	N/D	N/D

**Ecological Information** Section 12

Keep out of sewers, drainage areas, and waterways. Report spills and atmospheric releases, as applicable, under Federal and State regulations.

**Disposal Considerations** Section 13

Dispose of container and unused contents in accordance with federal, state, and local requirements for hazardous materials. Do not allow to enter the drainage or water system.

**Transport Information** Section 14

DOT Proper Shipping	
Name:	Not regulated
Packing Group:	
DOT Hazard Class:	
DOT UN/NA Number:	Not Regulated

**Regulatory Information** Section 15

Contact manufacturer for information on specific territorial regulatory information.

**Other Information** Section 16

NFPA/HMIS Rating

Health                    2

Fire                        1

Reactivity                0

Classification and hazards statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Regulations in individual countries/regions may determine which classifications and hazard statements are applicable based on adopted hazard classes and categories. Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) - Annex III.

Regulations in individual countries/regions may determine which statements are required on the product label. See product label for specifics.

The information provided in this **Safety Data Sheet** is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

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