

Safety Data Sheet
Floropoxy SL 4755 Part B Hardener

Florock
U0-171

Product Identification

Section 1

Product name Floropoxy SL 4755 Part B Hardener
Part number U0-171
Synonyms Epoxy Resin Activator
Product usage Activator part B for epoxy floor coating
Company Florock Polymer Flooring
1120 W Exchange
Chicago, IL 60609
Phone 773-376-7132
Chemtrec 800-424-9300

Hazard Identification

Section 2

GHS Classifications Skin Corrosion: Category 1,
Eye Damage: Category 1,
Skin sensitization: Category 1,
Acute Toxicity (Oral): Category 3,
Mutagenicity: Category 2,
Reproductive Toxicity: Category 2B,
Aquatic Toxicity (Acute): Category 2,
Aquatic Toxicity (Chronic): Category 2

Signal word **Danger**

Pictograms



Hazard statements H227 Combustible liquid
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H335 May cause respiratory irritation
H341 Suspected of causing genetic defects
H361 Suspected of damaging fertility or the unborn child
H400 Very toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P262 Do not get in eyes, skin, or clothing.
P264 Wash thoroughly after handling..
P270 Do not eat, drink, or smoke when using this product.
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.
P330+331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P312 Call a POISON CENTER/doctor/physician if you feel unwell.
P391 Collect Spillage.
P351 Rinse cautiously with water for several minutes.
P338 Remove contact lenses if present and easy to do. Rinse Continuously.
P405 Store locked up.
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 %
Benzyl Alcohol	100-51-6	20-50
Polyoxyalkyleneamine	9046-10-0	20-50
Amine	15520-10-2	1-5
Synthetic pine oil	8002-09-3	1-5
Nonylphenol	84852-15-3	5-20

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.
Combustible liquid and vapor

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	Skin irritation, burns, difficulty breathing, nausea, vomiting, gastritis
Delayed	Repeated exposure may cause skin irritation.

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	Ventilate the contaminated area. 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	<p>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.</p> <p>Avoid eye and skin contact. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.</p> <p>Avoid formation of dust and aerosols. The potential for combustible dust formation should be taken into consideration before additional processing occurs, like sanding and grinding. Provide appropriate exhaust ventilation at places where dust is formed.</p>
Conditions for safe storage, including incompatibilities	<p>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.</p>

Exposure Controls/Personal Protection

Section 8

Component	CAS#	ACGIH/TLV	OSHA/PEL	*V/P
Benzyl Alcohol	100-51-6	N/D	N/D	0.1
Nonylphenol	84852-15-3	N/D	N/D	0.9
Amine	15520-10-2	N/D	N/D	130
Synthetic pine oil	8002-09-3	N/D	N/D	N/D
Polyoxyalkyleneamine	9046-10-0	N/D	N/D	1

**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. Polyvinyl or Teflon gloves are recommended. 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	Do not eat, drink, or smoke in areas where this material is used. Wash thoroughly after handling. Wash hands before eating, smoking, or touching the facial area.

Physical/Chemical Properties

Section 9

Physical state	Liquid
Appearance	Clear
Odor	N/D
Flashpoint	> 193 F
Boiling range	193 – 545 F
Vapor density	Heavier than air
Liquid density	Lighter than water
Volatiles volume	0 %
Evaporation Rate	0.09 x n-Butyl Acetone
pH	N/D
Vapor pressure	N/D
Relative density (water = 1)	.967
Solubility (in water)	N/D
Partition coefficient	N/D
Auto Ignition temp	N/D

N.D. = No Data

Stability and Reactivity

Section 10

Chemical stability	Stable
Hazardous reactions	Will not polymerize
Conditions to avoid	Strong acids, oxidizers
Incompatibility	Strong acids, oxidizers
Hazardous decomposition products	Toxic fumes at decomposition temperatures. Such as carbon dioxide, carbon monoxide, oxides of nitrogen

Toxicological Information

Section 11

Routes of exposure	Inhalation, skin, eyes, ingestion
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Symptoms of exposure *Acute:* headache, dizziness, nausea, and loss of consciousness
Irritation of skin, eyes, nose, throat, or lungs. May cause allergic skin reaction. High airborne concentrations of vapors resulting from heating, misting or spraying may cause irritation of the respiratory tract and mucous membranes.

Chronic: Ingestion may cause irritation. 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
Benzyl Alcohol	100-51-6	1.230 mg/kg	> 2.000 mg/kg	0.1
Nonylphenol	84852-15-3	> 1240 mg/kg	N/D	N/D
Amine	15520-10-2	N/D	N/D	130
Synthetic pine oil	8002-09-3	5300	> 5000	> 20 mg/l
Polyoxyalkyleneamine	9046-10-0	2885.3 mg/kg Rat	2979.7 mg/kg Rabbit	> 0.74 mg/l Rat

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.

Transport Information Section 14

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

IMDG Proper Shipping	
Name:	Amines, Liquid, Corrosive, N.O.S. (Polyoxyalkleneamine)
Packing Group:	III
DOT Hazard Class:	8
DOT UN/NA Number:	UN2735
IATA Proper Shipping:	
Name:	Amines, Liquid, Corrosive, N.O.S. (Polyoxyalkleneamine)
Packing Group:	III
DOT Hazard Class:	8
DOT UN/NA Number:	UN2735

Regulatory Information

Section 15

Contact manufacturer for information on specific territorial regulatory information.

Other Information

Section 16

NFPA/HMIS Rating

Health 3

Fire 1

Reactivity 1

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

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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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