

**Product Identification** **Section 1**

Product name            System 4850 EZ Measure Part B Activator

Part number            U0-162

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,  
                                 Acute Toxicity (Oral): Category 4,  
                                 Mutagenicity: Category 2,  
                                 Reproductive Toxicity: Category 2B,  
                                 Aquatic environment (Acute): Category 1,  
                                 Aquatic environment (Chronic): Category 1,  
                                 Flammable liquid: Category 4

Signal word             **Danger**

Pictograms



Hazard statements      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         P201 Obtain special instructions before use.

statements

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 %
Polyoxyalkyleneamine	9046-10-0	> 75
Nonylphenol	84852-15-3	5-20
Synthetic Pine Oil	8002-09-3	1-5

*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 Call POISON CENTER for immediate consultation. Consult a physician. Show the physician this SDS. Move out of dangerous area immediately.

Inhalation Get medical attention immediately. Move person to fresh air and breathe normally. If experiencing respiratory symptoms. Call POISON CENTER or doctor.

Eyes Get medical attention immediately. 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 *Protective equipment:* Protective respirator, safety goggles, and gloves. Ensure adequate ventilation. Avoid breathing dust.

*Emergency procedures:* 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 As with any chemical product, use good laboratory/workplace

handling 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 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
Polyoxyalkyleneamine	9046-10-0	N/D	N/D	1
Nonylphenol	84852-15-3	N/D	N/D	0.9
Synthetic Pine Oil	8002-09-3	N/D	N/D	2

*\*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	> 167 F
Boiling range	225-545 F
Vapor density	Heavier than air
Liquid density	Lighter than water
Volatiles volume	2.1 %
Evaporation Rate	0.09 n-Butyl Acetate
pH	N/D
Vapor pressure	1mmHg
Relative density	.945
Solubility (in water)	N/D
Partition coefficient	N/D
Auto Ignition temp	446 F

*N.D. = No Data*

**Stability and Reactivity** **Section 10**

Chemical stability	Stable
Hazardous reactions	Will not polymerize
Conditions to avoid	Strong acids, oxidizers
Incompatibility	Oxidizing agents and strong alkalis
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
Symptoms of exposure	<i>Acute:</i> 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
Polyoxyalkyleneamine	9046-10-0	2885.3 mg/kg Rat	2979.7 mg/kg Rabbit	> 0.74 mg/l Rat
Nonylphenol	84852-15-3	> 1240 mg/kg	N/D	N/D
Synthetic Pine Oil	8002-09-3	>2830 mg/kg	>5000 mg/kg	>20 mg/l

**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:	Amines, liquid, corrosive, n.o.s., (Polyoxyalkyleneamine)
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	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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