

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

Product name FloroMark X-9424-21 Part A Clear  
Part number X-9424-21  
Synonyms Epoxy resin, clear  
Product usage Epoxy part A 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,  
Carcinogenicity (Inhalation): Category 1A,  
STOT (RE-Respiratory Tract): Category 1,  
Mutagenicity: Category 2,  
Reproductive Toxicity: Category 2B,  
Aquatic (Acute): Category 2,  
Aquatic (Chronic): Category 2

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  
May cause cancer if inhaled

Causes damage to organs through prolonged or repeated exposure if inhaled. (respiratory tract)

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 %
Nonylphenol	84852-15-3	20-50
Epoxy Resin	25085-99-8	> 75
Calcium silicate mineral mixture	Proprietary	40-50

*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

May cause mechanical eye or skin irritation in high concentrations. Product may become slippery when wet.

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 *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      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 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
Nonylphenol	84852-15-3	N/D	N/D	0.9 mm HG
Epoxy Resin	25085-99-8	N/D	N/D	N/D
Calcium silicate mineral mixture	13983-17-0 14808-60-7	10 mg/m3	15 mg/m3	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.

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**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	<p>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.</p> <p>The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</p>
Respiratory protection	<p>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).</p>
Other protective considerations	<p>Wash thoroughly after handling. Wash hands before eating, smoking, or touching the facial area.</p>

#### Physical/Chemical Properties

Section 9

Physical state	Liquid
Appearance	Clear
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	1.1
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	Incomplete combustion for products like this may generate highly poisonous carbon monoxide, carbon dioxide, and oxides of nitrogen.

products

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: Sever eye irritation possibly resulting in permanent damage  
Irritated mucous membranes, Dry skin

Exposure to high levels of any dust may result in mechanical irritation of the respiratory tract, skin and eyes; not sufficient for classification.

Carcinogenicity IARC (1997) classifies wollastonite as Group 3 (not classifiable as to its carcinogenicity to humans), based on inadequate evidence in both humans and animals. In an epidemiological study of a small cohort of wollastonite quarry workers (Huuskonen et al, 1983), the observed deaths from all cancers and lung cancer were lower than expected. In a 2 year rat inhalation bioassay (NTP / McConnell et al, 1991), wollastonite did not cause an increased incidence of tumors; however, some concern exists regarding the concentration of specific fiber sizes used in the study.

CRYSTALLINE SILICA: Silica dust, crystalline, in the form of quartz is classified by IARC as Group 1 (carcinogenic to humans) based on "sufficient evidence" in occupationally exposed humans and sufficient evidence in animals. Crystalline silica of respirable size is classified by the NTP as a known human carcinogen. In its 2013 Proposed Rule on respirable crystalline silica, "OSHA preliminarily concludes that the human data provides ample evidence that exposure to respirable crystalline silica increases the risk of lung cancer among workers", while NIOSH identifies various crystalline or fused silicas a potential occupational carcinogens. However, not all epidemiologic and animal studies have demonstrated a cancer association and some uncertainty exists concerning the cancer classification of crystalline silica. For example, in Europe, a recent review concludes that crystalline silica should not be classified as a carcinogen since silicosis of the lung is the key endpoint for classification (Morfeld, 2010).

Quartz is known to be a human carcinogen.

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
Nonylphenol	84852-15-3	> 1240 mg/kg	N/A	N/A
Epoxy Resin	25085-99-8	11400 mg/kg	11400 mg/kg	N/A

		Rat > 2000 mg/kg Rabbit	Rat > 2000 mg/kg Rabbit	
Calcium silicate mineral mixture	13983-17-0 14808-60-7			

#### 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	1
Fire	0
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.

Publication Date

2-02-2015