

# 5222F Purple Floor Cleaner

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 01/04/2016

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Version: 1.1

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Name:** 5222F Purple Floor Cleaner

### 1.2. Intended Use of the Product

Cleaning Solution

### 1.3. Name, Address, and Telephone of the Responsible Party

#### Company

Ardex Laboratories, Inc.

2050 Byberry Rd

Philadelphia, PA 19116

T 215-698-0500

[ardexlabs.com](http://ardexlabs.com)

### 1.4. Emergency Telephone Number

**Emergency Number** : 800-424-9300

CHEMTREC – TOLL FREE 24 HOUR EMERGENCY TELEPHONE NUMBER

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### Classification (GHS-US)

Skin Irrit. 1C H314

Eye Damage/irritation 1 H314

Organ toxicity single exposure 2 H371

Organ toxicity repeated exposure 2 H372

Accute Toxicity 4 H302

Corrosive to metals 1 H290

Full text of H-phrases: see section 16

### 2.2. Label Elements

#### GHS-US Labeling

**Hazard Pictograms (GHS-US)** :



**Signal Word (GHS-US)** : DANGER

**Hazard Statements (GHS-US)** :

H314 – Causes severe skin burns and eye damage

H371 – May cause damage to organs (eyes, respiratory tract, skin)

H372 – May cause damage to organs through prolonged or repeated exposure (kidneys)

H290 – May be corrosive to metals

H335 – May cause corrosive to metals

H401 – Toxic to aquatic life

**Precautionary Statements (GHS-US)** : P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P330 - Rinse mouth

P312 - Call a POISON CENTER or doctor if you feel unwell

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with

water/shower

P363 - Wash contaminated clothing before reuse

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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P310 - Immediately call a POISON CENTER or doctor/physician  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P307 + P311 - IF exposed: Call a POISON CENTER or doctor/physician  
P405 - Store locked up  
P501 - Dispose of contents/ container to an approved waste disposal plant  
P334 - Immerse in cool water/wrap in wet bandages  
P390 - Absorb spillage to prevent material damage  
P406 - Store in corrosive resistant aluminum container with a resistant inliner

### 2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**2.4. Unknown Acute Toxicity (GHS-US)** No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable

### 3.2. Mixture

Name	Product Identifier	% (w/w)
Sodium Hydroxide	(CAS No) 1310-73-2	<1
Sodium Metasilicate	(CAS No) 6834-92-0	<5
Mixed surfactant (Trade Secret)		
Water, dye, fragrance		q.s. to 100
Sodium Phosphate	(CAS No) 1344-28-1	<2
Na4 EDTA	(CAS No) 10378-23-1	<1
Nonionic Surfactant		

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** Causes skin irritation.

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** May cause eye irritation.

**Ingestion:** May be harmful if ingested in large quantities.

**Chronic Symptoms:** None expected under normal conditions of use.

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### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable Extinguishing Media:** No specific treatment

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>).

### Reference to Other Sections

Refer to section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

### 6.2. Environmental Precautions

May be harmful to the environment if released in large quantities. Avoid dispersal of spilled concentrate material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material in concentrate

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** None classified.

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### 7.3. Specific End Use(s)

Floor Cleaning

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

#### Sodium Hydroxide (1310-73-2)

British Columbia	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
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### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Protective goggles. Gloves. Protective clothing.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Consumer Exposure Controls:** Do not eat, drink or smoke during use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear , free-flowing lavender color with a characteristic error
Odor	: Hydrocarbon-Fruity odor
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: 20 °F (-9 °C)
Boiling Point	: 221-231°F (105-112 °C)
Flash Point	: None
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not Available
Upper Flammable Limit	: Not Available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: 1-1.2 (@20 DEG. C)
Solubility	: Miscible
Partition Coefficient: N-Octanol/Water	: Not available

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Viscosity	:	Not available
Viscosity, Dynamic	:	Notavailable
Explosion Data – Sensitivity to Mechanical Impact	:	Not available
Explosion Data – Sensitivity to Static Discharge	:	Not available

### SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Incompatible materials.
- 10.5. Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Decomposition products may include the following materials: phosphorus oxides  
metal oxide/oxides

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on Toxicological Effects – Product

##### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Pentasodium triphosphate	LD50 Oral	Rat	3120 mg/kg	-
Disodium metasilicate	LD50 Oral	Rat	1153 mg/kg	-

##### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Pentasodium triphosphate	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
Disodium metasilicate	Skin - Moderate irritant	Guinea pig	-	24 hours 250	-
	Skin - Severe irritant	Human	-	24 hours 250	-
	Skin - Severe irritant	Rabbit	-	24 hours 250	-

##### Sensitization

There is no data available.

##### Mutagenicity

There is no data available.

##### Carcinogenicity

There is no data available.

##### Reproductive toxicity

There is no data available

##### Teratogenicity

There is no data available

##### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Mixed surfactant	Category 2	Not determined	eyes, respiratory tract and skin
Pentasodium triphosphate Disodium metasilicate	Category 3 Category 3	Not applicable. Not applicable.	Respiratory tract irritation Respiratory

##### Specific target organ toxicity

Name	Category	Route of exposure	Target organs
Mixed surfactant	Category 2	Not determined	kidneys

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### Aspiration hazard

There is no data available.

### Information on the likely routes of exposure

Dermal contact. Eye contact. Inhalation. Ingestion.

### Potential acute health effects:

- Eye contact** : Causes serious eye irritation.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : Irritating to mouth, throat and stomach.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering redness  
**Inhalation** : No known significant effects or critical hazards  
**Skin contact** : Adverse symptoms may include the following: irritation redness  
**Ingestion** : No known significant effects or critical hazards.

### Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure

- Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

### Long term exposure

- Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

### Potential chronic health effects

- General** : May cause damage to organs through prolonged or repeated exposure.  
**Carcinogenicity**: No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity Acute toxicity estimates

Route	ATE value
Oral	126060.6 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Product/ingredient name	Result	Species	Exposure
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Pentasodium triphosphate Disodium metasilicate	Acute EC50 276.61 mg/L Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 33.53 mg/L Fresh water Chronic NOEC 160 mg/L Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours

**Persistence and degradability** – no data available

**Bioaccumulative potential** – No data available

### **Mobility in soil**

Soil/water partition – There  
coefficient (Koc)

Other adverse effects – No known significant effects or critical hazards

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

**Sewage Disposal Recommendations:** This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## **SECTION 14: TRANSPORT INFORMATION**

**14.1. In Accordance with DOT** Not regulated for transport

**14.2. In Accordance with IMDG** Not regulated for transport

**14.3. In Accordance with IATA** Not regulated for transport

**14.4. In Accordance with TDG** Not regulated for transport

## **SECTION 15: REGULATORY INFORMATION**

### **15.1. US Federal Regulations**

<b>5222F Purple Floor Cleaner</b>	
<b>SARA Section 311/312 Hazard Classes</b>	Immediate (acute) health hazard Delayed (chronic) health hazard Reactive hazard
<b>Clean Water Act (CWA) 311</b>	Pentasodium triphosphate

### **Water (7732-18-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### **15.2. US State Regulations**

#### **State regulations**

Massachusetts : The following components are listed: Pentasodium triphosphate

New York : The following components are listed: Pentasodium triphosphate

New Jersey : None of the components are listed.

Pennsylvania : The following components are listed: Pentasodium triphosphate

#### **California Prop. 65**

No products were found.

#### **International regulations**

##### **International lists**

Australia inventory (AICS): Not determined.

China inventory (IECSC): Not determined. Japan inventory: Not determined.

Korea inventory: Not determined.

Malaysia Inventory (EHS Register): Not determined.

New Zealand Inventory of Chemicals (NZIoC): Not determined.

Philippines inventory (PICCS): Not determined.

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Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule I Chemicals: Not listed

Chemical Weapons Convention List Schedule II Chemicals: Not listed

Chemical Weapons Convention List Schedule III Chemicals: Not listed

### **SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Revision Date** : 4/1/2016

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**Party Responsible for the Preparation of This Document**

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*