

Safety Data Sheet

Issued Date: November 2, 2015

Revision Date: November 2, 2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name F-111A Floor Finish

Other means of identification

Product Code F-111A

Recommended use of the chemical and restrictions on use

Recommended Use Acrylic Floor Finish for Institutional and Industrial use.

Details of the supplier of the safety data sheet

Missouri Vocational Enterprises
 2727 Highway K
 Bonne Terre, MO 63628
 Phone: (573) 358-5516

Emergency Telephone Number

INFOTRAC 1-800-535-5053 (North America)
 1-352-323-3500 (International)

2. HAZARDOUS IDENTIFICATION

Signal Word **DANGER**

Classification	Hazard Category
Skin - Corrosion/Irritation	1B
Serious Eye Damage/Irritation	1

Health Hazard Statement(s)

- H314 – Causes sever skin burns and eye damage.
- H317 – May cause an allergic skin reaction.
- H318 – Causes serious eye damage.
- H412 – Harmful to aquatic life with long-lasting effects.

Hazard Pictogram(s)



Hazard Ratings

	HMIS	NFPA
Health	1	1
Flammability	0	0
Reactivity	1	1
PPE	B	N/A

Precautionary Statement(s)

- P210 – Keep away from heat/sparks/open flames/hot surfaces. –No smoking.
- P233 – Keep container tightly closed.
- P261 – Avoid breathing dust/fume/gas/mist/vapor/spray.
- P264 – Wash face, hands and any exposed skin thoroughly after handling.
- P272 – Contaminated work clothing should not be allowed out of the workplace.
- P273 – Avoid release to the environment.
- P280 – Wear protective gloves/protective clothing/ eye protection/face protection.
- 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.

P312 – Call a POISON CENTER or doctor/physician if you feel unwell.

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

P310 – Immediately call a POISON CENTER or doctor/physician.

P403+P235 – Store in a well-ventilated place. Keep cool.

P405 – Store locked up.

P501 – Dispose of contents/container to an approved waste disposal site.

Potential Health Effects

Skin Contact May cause skin corrosion/irritation/burns.

Eye Contact May cause eye damage.

Inhalation May cause respiratory irritation.

Ingestion May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name/Pure Substance	CAS #	Weight-%
Duraplus 2	Proprietary	45-50
Water	7732-18-5	25-30
Eastman DE Solvent	111-90-0	2-5
E-cryl 802	Proprietary	2-5
Michem Emulsion 32535	Proprietary	2-5
Michem Emulsion 43040	Proprietary	2-5
Dipropylene Glycol	25265-71-8	0-3
Tributoxyethyl Phosphate	78-51-3	0-2
Eastman Texanol Ester Alcohol	25265-77-4	0-2

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

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

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Skin Contact Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects

Symptoms Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. Prolonged contact may even cause severe skin irritation or mild burn.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry powder, water spray, foam

Unsuitable Extinguishing Media: Do not use water jet, as this will spread the fire.

Specific Hazards Arising from the Chemical

Components of this product may decompose upon heating to produce corrosive and/or toxic fumes. May form peroxides of unknown stability.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do so without risk.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal precautions** Keep unnecessary personnel away. Do not get in eyes, on skin, or on clothing. Do not eat, drink, or smoke in areas where this material is used. Wash thoroughly after handling. Wet material may pose a slipping hazard. Ensure adequate ventilation, especially in confined areas.
- Environmental precautions** Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information. Avoid release to the environment.

Methods and material for containment and clean up

- Methods for Containment** Prevent further leakage or spillage if safe to do so.
- Methods for Clean up** Contain spillage, and then collect with non-combustible absorbent material (sand, earth, vermiculite), and place in a container for disposal according to local/national regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use only in well ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

- Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Store containers on pallets. Keep away from food, drink, and animal feed. Store locked up. Keep from freezing.
- Incompatible Materials** Keep away from heat, sparks, and open flames. See section 10 of this SDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
-	-	-	-

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Wear approved safety goggles.
- Skin and Body Protection** Wear appropriate clothing to prevent repeated or prolonged skin contact.
- Respiratory Protection** Ensure adequate ventilation, especially in confined areas.
- General Hygiene Considerations** Do not eat, drink, or smoke when using this product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Liquid	Odor	Slight Ammonia
Color	Milky White	Odor Threshold	Not Determined

<u>Property</u>	<u>Values</u>	<u>Remarks - Method</u>
pH	8-9	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid- Not Applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.03	
Water Solubility	Complete	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Exposure to sunlight. Heat, sparks, flames.
Incompatible materials	Amines, oxidizing agents, reducing agents.
Hazardous Decomposition Products	Nitrogen oxides, carbon oxides, sulfur oxides, hydrogen chloride gas
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity	Toxicological data have not been determined specifically for this product.
------------------	--

12. ECOLOGICAL INFORMATION

Ectotoxicity	Ecological studies have not been carried out on this product.
--------------	---

13. DISPOSAL CONSIDERATIONS

Disposal Instructions	Dispose of in accordance with applicable local, regional, national, and international regulations.
Hazardous Waste Code	Not available.

Waste from residues / unused products

Use or reuse if possible.

Contaminated Packaging

Dispose of as unused product. Dispose of container in accordance with applicable local, regional, national, and/or international regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT I.D. Number

Not available.

DOT Proper Shipping Name

Not available.

DOT Hazard Classes:

US DOT

Not available.

Road (ADR)

Not available.

Air (ICAO/IMDG)

Not available.

Sea (IMO/IMDG)

Not available.

Packing Group

Not available.

DOT Label

Not available.

15. REGULATORY INFORMATION

U.S. Federal Regulations

Contents of this SDS comply with OSHA Hazard Communication Standard CFR 1910.1200.

OSHA Hazard Communication Standard (29 CFR 1910.1200)

(X) Hazardous () Non- Hazardous

SARA TITLE III

Section 302/304

Extremely Hazardous Substances: None.

Section 311/312

(40CFR370) Hazardous Categories: Acute.

Section 313

Contains the following SARA 313 Toxic Release Chemicals: Diethylene Glycol Monoethyl Ether, Zinc Ammonia Carbonate Complex, and Ammonia.

CERCLA

CERCLA Regulatory

Based on information supplied this product contains no substances regulated under CERCLA.

State Regulations

California Prop 65

This product may contain the following ingredient(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Methanol (67-56-1).

Component	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Diethylene Glycol Monoethyl Ether (111-90-0)	X	X		X	X	X	X	X
Texanol (25265-77-4)	X	X		X	X	X	X	X
Dipropylene Glycol (25265-71-8)	X	X	X	X	X	X	X	X

16. OTHER INFORMATION

Disclaimer

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 and 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.

Issue Date: November 2, 2015
Revision Date: November 2, 2015
Revision Number: 1
Prepared By: Ryan AuBuchon, Chemist I