

Safety Data Sheet

Issued Date: November 23, 2015

Revision Date: November 23, 2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name F-113A Heavy Duty Floor Cleaner

Other means of identification

Product Code f-113A

Recommended use of the chemical and restrictions on use

Recommended Use Heavy duty floor cleaning.

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 **WARNING**

Classification	Hazard Category
Skin - Corrosion/Irritation	1A
Serious Eye Damage/Irritation	1
Hazardous to the aquatic environment, acute hazard	2
Hazardous to the aquatic environment, long-term hazard	3

Health Hazard Statement(s)

H302 – Harmful if swallowed. H411 – Toxic to aquatic life with long-lasting effects.
 H315 – Causes skin irritation.
 H317 – May cause an allergic skin reaction.
 H319 – Causes serious eye irritation.

Hazard Pictogram(s)



Hazard Ratings

	HMIS	NFPA
Health	3	3
Flammability	0	0
Reactivity	1	1
PPE	B	N/A

Precautionary Statement(s)

P261 – Avoid breathing mist or vapor.
 P264 – Wash thoroughly after handling.
 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.
 P312 – Call a POISON CENTER or doctor/physician if you feel unwell.
 P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 – If eye irritation persists: Get medical advice/attention.

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

Potential Health Effects

Skin Contact	May cause skin 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-%
Water	7732-18-5	80-85
Dodecylbenzene Sulfonic Acid	68584-22-5	2-10
Dipropylene Glycol	25265-71-8	2-10
Sodium Hydroxide	1310-73-2	1-5
CalBlend DF	Proprietary	1-5
Trilon B Liquid BASF MTL	64-02-8	1-5
Isocil IG	Proprietary	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 for at least 15 minutes. Get medical advice/attention.
Skin Contact	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. Give large amounts of water. 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, or foam.

Unsuitable Extinguishing Media: Water jet.

Specific Hazards Arising from the Chemical

During fire, gases hazardous to health may be formed.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal precautions** Keep unnecessary personnel away. Use personal protective equipment as required.
- Environmental precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

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** Collect spillage with non-combustible absorbent material. Clean surface thoroughly to remove residual contamination. Keep in suitable, closed containers for disposal.

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 locked up. Keep away from food, drink, and feed.
- Incompatible Materials** See section 10 of this SDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide (1310-73-2)	2 mg/m ³ , Ceiling	2 mg/m ³ , PEL	2 mg/m ³ , Ceiling

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** Not Determined
- Color** Yellow **Odor Threshold** Not Determined

Property	Values	Remarks - Method
pH	12-13	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	

Heavy Duty Floor Cleaner**F-113A****Revision Date: November 23, 2015**

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	Not determined
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	Contact with incompatible materials. Exposure to sunlight. Temperatures above 130 °F.
Incompatible materials	Amines, oxidizing agents, reducing agents, and strong acids.
Hazardous Decomposition Products	Hydrogen chloride gas, sulphur oxides, nitrogen oxides, carbon oxides.
Hazardous Polymerization	Not available.

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Disposal Instructions	Dispose of in accordance with local, regional, national, and international regulations.
Hazardous Waste Code	Not available.
Waste from residues / unused products	Reuse or recycle if possible. Dispose of in accordance with local, regional, national, and international regulations.
Contaminated Packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

<u>Note</u>	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: None.

CERCLA

CERCLA Regulatory

Sulfuric Acid (7664-93-9) and Sodium Hydroxide (1310-73-2)

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: Sulfur Dioxide (7446-09-5)

Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
CalBlend DF (Proprietary)	X	X	X		X			X
Dipropylene Glycol (25265-71-8)	X	X	X	X	X	X	X	X
Sodium Hydroxide (1310-73-2)	X	X	X	X	X	X	X	X
Trilon B Liquid BASF MTL (64-02-8)	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 23, 2015
Revision Date: November 23, 2015
Revision Number: 1
Prepared By: Ryan AuBuchon, Chemist I