

# Safety Data Sheet

Issued Date: September 29, 2015

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Version 1

## 1. IDENTIFICATION

**Product Identifier**

Product Name F-415 Laundry Soap Compound, Tallow Base

**Other means of identification**

Product Code F-415

**Recommended use of the chemical and restrictions on use**

Recommended Use Tallow laundry soap compound for 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	1A
Eye - Damage /Irritation	1
Acute Toxicity - Oral	4
Specific Target Organ Toxicity - Single Exposure	3

**Health Hazard Statement(s)**

H290 – May be corrosive to metals. H335 – May cause respiratory irritation.  
H302 – Harmful if swallowed.  
H314 – Causes severe skin burns and eye damage.  
H318 – Causes serious eye damage.

**Hazard Pictogram(s)**



**Hazard Ratings**

	HMIS	NFPA
Health	3	3
Flammability	0	0
Reactivity	0	0
PPE	F	N/A

**Precautionary Statement(s)**

P234 – Keep only in original container.  
P260 – Do not breathe dust or mists.  
P264 – Wash face, hands and any exposed skin thoroughly after handling.  
P270 – Do not eat, drink, or smoke when using this product.  
P271 – Use only outdoors or in a well-ventilated area.  
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.

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

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.

P391 – Collect spillage.

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.

P405 – Store locked up.

P406 – Store in a corrosive resistant container with a resistant inner liner.

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

**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-%
Sodium Metasilicate Anhydrous	6834-92-0	55-60
Sodium Carbonate Anhydrous	497-19-8	1-5
Sodium Carboxymethyl Cellulose	9004-32-4	0-2
Supreme Flake 101 Soap Base	8052-48-0	25-30
Sodium Hydroxide Beads	1310-73-2	5-10
Sipernat 22S	112926-00-8	0-5
Midwest Daiox 85	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. Get medical advice/attention.

**Skin Contact** Brush off excess chemical and immediately flush contaminated areas 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: Use extinguishing media that is appropriate to local circumstances.

Unsuitable Extinguishing Media: Not determined.

**Specific Hazards Arising from the Chemical**

Components of this product may decompose upon heating to produce corrosive and/or toxic fumes. Containers may explode when heated.

**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** Do not get in eyes, on skin, or on clothing. Avoid creation of dust. Avoid breathing dust. Do not eat, drink, or smoke in areas where this material is used. Wash thoroughly after handling. Wet material may pose a slipping hazard.

**Environmental precautions** Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

**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** Shovel dry material into suitable container. Vacuum any remaining material into a suitable container. Liquid material may be removed with a vacuum truck. Wet material is slippery under foot.

**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. 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.

**Incompatible Materials** Can generate heat when mixed with acids. When wet, flammable hydrogen gas may be produced from prolonged contact with alkali sensitive metals such as: aluminum, brass, bronze, copper, lead, tin, zinc.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Metasilicate Anhydrous (CAS 6834-92-0)	-	2 mg/m <sup>3</sup> TWA	-
Sodium Hydroxide (CAS 1310-73-2)	2 mg/m <sup>3</sup> Ceiling	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> 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

Solid

Odor

Slight Tallow Fat

Color

Off-white to pale yellow

Odor Threshold

Not Determined

Property

Values

Remarks - Method

pH

Approx. 13

1% solution

Melting Point/Freezing Point

Not determined

Boiling Point/Boiling Range

Not determined

Flash Point

Not determined

Evaporation Rate

Not determined

Flammability (Solid, Gas)

Not determined

Upper Flammability Limits

Not determined

Lower Flammability Limits

Not determined

Vapor Pressure

Not determined

Vapor Density

Not determined

Specific Gravity

Not determined

Water Solubility

Not determined

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 at normal temperatures and pressures.

Conditions to Avoid

Exposure to air or moisture over prolonged periods. Excess heat.

Incompatible materials

Can generate heat when mixed with acids, oxidizing agents, and strong alkalis. When wet, flammable hydrogen gas may be produced from prolonged contact with alkali sensitive metals such as: aluminum, brass, bronze, copper, lead, tin, zinc. Carbon monoxide gas may form upon contact with reducing sugars, such as food and beverage products in enclosed spaces.

Hazardous Decomposition Products

Sodium oxides. Carbon oxides.

Hazardous Polymerization

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

Mixture Toxicity

Toxicological data have not been determined specifically for this product.

**12. ECOLOGICAL INFORMATION**

Ecological have not been carried out on this product.

**13. DISPOSAL CONSIDERATIONS**

<b>Disposal Instructions</b>	Dispose of in accordance with local, regional, national, and international regulations.
<b>Hazardous Waste Code</b>	Not available.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local, regional, national, and international regulations.
<b>Contaminated Packaging</b>	Dispose of in accordance with local, regional, national, and international regulations.

**14. TRANSPORT INFORMATION**

<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>DOT I.D. Number</b>	Not available.
<b>DOT Proper Shipping Name</b>	Corrosive solid, basic, inorganic, n.o.s.
<b>DOT Hazard Classes:</b>	
US DOT	8
Road (ADR)	8
Air (ICAO/IMDG)	8
Sea (IMO/IMDG)	8
<b>Packing Group</b>	II
<b>DOT Label</b>	8

**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** 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: None

Component	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium Metasilicate (6834-92-0)	X	X						
Sodium Carbonate (497-19-8)	X	X	X	X	X	X	X	X
Sodium Hydroxide (1310-73-2)	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.

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