

Safety Data Sheet

Issued Date: October 26, 2015

Revision Date: October 26, 2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name F-413 Laundry Detergent without Bleach

Other means of identification

Product Code F-413

Recommended use of the chemical and restrictions on use

Recommended Use Laundry detergent without bleach for household 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	1 Sub-category C
Serious Eye Damage/Irritation	1
Acute Toxicity – Inhalation (Dusts/Mists)	4
Specific Target Organ Toxicity - Single Exposure	3

Health Hazard Statement(s)

H302 – Harmful if swallowed. H412 – Harmful to aquatic life with long-lasting effects.
 H315 – Causes skin irritation.
 H318 – Causes serious eye damage.
 H401 – Toxic to aquatic life.

Hazard Pictogram(s)



Hazard Ratings

	HMIS	NFPA
Health	2	2
Flammability	0	0
Reactivity	0	0
PPE	E	N/A

Precautionary Statement(s)

P210 – Keep away from heat/sparks/open flames/hot surfaces. –No smoking.
 P233 – Keep container tightly closed.
 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.
 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.

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-%
Sodium Carbonate Anhydrous	497-19-8	50
Nacconol 90G	68081-81-2	10
Acusol 445ND	68479-09-4	0-5

**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: 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.

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. 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.

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. Do not allow water to get into container. If liner is present, tie after each use. Store containers on pallets. Keep away from food, drink, and animal feed. Store locked up.
- Incompatible Materials** Keep away from heat, sparks, and open flames. Aluminum, powdered aluminum, acids, and strong oxidizing agents.

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	Solid	Odor	Clean Breeze
Color	White	Odor Threshold	Not Determined
Property	<u>Values</u>	<u>Remarks - Method</u>	

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pH	9.5-10.5
Melting Point/Freezing Point	Not determined
Boiling Point/Boiling Range	Not determined
Flash Point	Not determined
Evaporation Rate	Not determined
Flammability (Solid, Gas)	Non-Flammable
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

1% solution

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Keep out of reach of children.
Incompatible materials	Strong acids, strong alkalis, aluminum, powdered aluminum, hydrides and other water-reactive compounds.
Hazardous Decomposition Products	Sodium oxides, carbon oxides, and sulfur oxides.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity	Toxicological data have not been determined specifically for this product.
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12. ECOLOGICAL INFORMATION

Ectotoxicity	Ecological studies have not been carried out on this product.
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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. Damp material should be neutralized to a non-oxidizing state.
Contaminated Packaging	Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable 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
Section 311/312
Section 313

Extremely Hazardous Substances: None.
(40CFR370) Hazardous Categories: Acute.
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.

Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium Carbonate (497-19-8)	X	X	X	X	X	X	X	X
Nacconol 90G (68081-81-2)	X	X	X	X	X	X	X	X
Acusol 445ND (68479-09-4)	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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