

Safety Data Sheet

Issued Date: November 17, 2015

Revision Date: November 17, 2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name F-301 Hand Dishwashing Compound

Other means of identification

Product Code F-301

Recommended use of the chemical and restrictions on use

Recommended Use Hand dishwashing.

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	2
Serious Eye Damage/Irritation	2
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.
 H315 – Causes skin irritation.
 H319 – Causes serious eye irritation.
 H412 – Harmful to aquatic life with long-lasting effects.

Hazard Pictogram(s)



Hazard Ratings

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

Precautionary Statement(s)

P260 – Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 – Wash face, hands and any exposed skin 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.
 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.

Hand Dishwashing Compound**F-301****Revision Date: November 17, 2015**

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.

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

P363 – Wash contaminated clothing before reuse.

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 Bicarbonate	144-55-8	35-40
Sodium Carbonate, Anhydrous	497-19-8	20-25
Sodium Tripolyphosphate	7758-29-4	20-25
Monosodium Phosphate, Anhydrous	7558-80-7	15-20
Valfor 100 Zeolite NaA	1318-02-1	5-10
Dodecylbenzene Sulfonic Acid	68584-22-5	1-5
Caltaine C-35	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 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: 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	Use personal protective equipment as required. Avoid dust formation.
Environmental precautions	Prevent material 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	Shovel waste into a drum and label contents for disposal. 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.
Incompatible Materials	See section 10 of this SDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Tripolyphosphate (7758-29-4)	10 mg/m ³ TWA	15 mg/m ³ TWA	-
Monosodium Phosphate (7558-80-7)	10 mg/m ³ TWA	15 mg/m ³ TWA	-

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	Not Determined
Color	Pink	Odor Threshold	Not Determined
Property	Values	Remarks - Method	
pH	8-10	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)	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

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Extreme heat and extreme humidity.
Incompatible materials	Strong acids.
Hazardous Decomposition Products	Sodium oxides, phosphorous oxides, and carbon oxides.
Hazardous Polymerization	Not available.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Toxicological data have not been determined specifically for this product.

12. ECOLOGICAL INFORMATION

Ectotoxicity

Ecological studies have not been determined specifically for 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

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: None.

CERCLA

CERCLA Regulatory

Sulfuric Acid (7664-93-9).

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)
Sodium Bicarbonate (144-55-8)	X	X	X	X	X	X	X	X
Sodium Carbonate (497-19-8)	X	X	X	X	X	X	X	X
Sodium Tripolyphosphate (7758-29-4)	X	X	X		X		X	
Monosodium Phosphate (7558-80-7)	X	X	X		X		X	
Valfor 100 Zeolite NaA (1318-02-1)	X	X						X
Caltaine C-35 (Proprietary)	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 17, 2015
Revision Date: November 17, 2015
Revision Number: 1
Prepared By: Ryan AuBuchon, Chemist I