

Safety Data Sheet

Issued Date: November 18, 2015

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name F-700 Industrial Liquid Laundry Detergent

Other means of identification

Product Code F-700

Recommended use of the chemical and restrictions on use

Recommended Use Liquid laundry detergent for use in washing machines.

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	2A
Acute Toxicity - Oral	4
Acute Toxicity - Dermal	5
Hazardous to the aquatic environment - acute	1
Hazardous to the aquatic environment - chronic	2
Toxicity reproductive	2
Specific Target Organ Toxicity – repeated exposure (Cardiovascular system)	2

Health Hazard Statement(s)

H302 – Harmful if swallowed
H313 – May be harmful in contact with skin.
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H360 – Suspected of damaging fertility or the unborn child.

H373 – May cause damage to organs through prolonged or repeated exposure.
H400 – Very toxic to aquatic life.
H411 – Toxic to aquatic life with long lasting effects.

Hazard Pictogram(s)



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

Precautionary Statement(s)

P202 – Do not handle until all safety precautions have been read and understood.

P260 – Do not breathe dust/fume/gas/mist/vapors/spray.

P264 – Wash thoroughly after handling.

P270 – Do not eat, drink or smoke when using this product.

P273 – Avoid release to the environment.

P280 – Wear gloves, protective clothing, eye and face protection.

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.

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 – Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P309+P311 – IF exposed you feel unwell: Call a POISON CENTER or doctor/physician immediately.

P405 – Store locked up.

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

Potential Health Effects

Skin Contact	Danger: Corrosive: May cause severe irritation or severe burns and scarring with greater exposure
Eye Contact	Danger: Corrosive: May cause burns to eye tissue. Liquid contact with eyes produce severe irritation/burns and with possible blindness resulting
Inhalation	May cause severe irritation of the upper respiratory tract
Ingestion	May cause severe burns of the mouth, throat, and stomach. Severe scarring of tissue and death may result. Damage may appear days after exposure.

3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name/Pure Substance	CAS #	Weight-%
Nonionic Detergent	9016-45-9	85-90
Dipropylene Glycol	25265-71-8	5-10
Fragrance	Proprietary	0-2
Water	7732-18-5	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	Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin Contact	Remove all contaminated clothing. Areas of the body that come into contact with the product should be rinsed immediately. Wash contaminated clothing before another use.
Inhalation	Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	If swallowed: Rinse mouth, then give large quantities of water. DO NOT INDUCE VOMITTING. Never give anything by mouth to an unconscious person or convulsive person. Get medical attention immediately.

Most important symptoms and effects

In case of accident or unwellness, seek medical advice immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use media suitable for extinguishing fire

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

Keep upwind of fire. Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full face piece operated in the pressure demand or other positive pressure mode. Move containers out of fire area if you can do so without danger. Apply water to cool containers that are exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective equipment (PPE). Ventilate closed spaces before entering. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling.

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

Absorb spill with an inert material such as, vermiculite, dry sand, or earth and place into containers labeled for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not get in eyes, on skin, or on clothing. Avoid creation and breathing of dusts. Do not eat, drink, or smoke in areas where this material is used. Wash thoroughly after handling. Material may pose a slipping hazard. Wear PPE as described in Section 8 of this SDS.

Conditions for safe storage, including any incompatibilities

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatibilities. See section 10 of this SDS for any incompatibilities.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

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

Appropriate engineering controls

Engineering Controls

Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Use safety glasses with side shields. If eye contact is likely wear chemical safety goggles, or a full face safety shield. Provide an emergency eye wash

fountain and quick drench chemical shower in the immediate work area.

Skin and Body Protection Use chemical impervious gloves, clothing, boots, and equipment to prevent contact with this material.

Respiratory Protection A NIOSH approved respirator with N95 cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed the exposure limits, or when symptoms have been observed that indicate over exposure.

General Hygiene Considerations Wear protective clothing to guard against liquid splash exposure. Maintain eye wash fountain and quick drench safety shower in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Liquid	Odor	Slight Floral
Color	Yellow	Odor Threshold	Not Determined

<u>Property</u>	<u>Values</u>	<u>Remarks - Method</u>
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pH	8-9	
Melting Point/Freezing Point	Not Available	
Boiling Point/Boiling Range	Not Available	
Flash Point	Not Available	
Evaporation Rate	Not Available	
Flammability (Solid, Gas)	Liquid-Not Applicable	
Upper Flammability Limits	Not Available	
Lower Flammability Limits	Not Available	
Vapor Pressure	Not Available	
Vapor Density	Not Available	
Specific Gravity	1.8	
Water Solubility	Complete	
Solubility in other solvents	Not Available	
Partition Coefficient	Not Available	
Auto-ignition Temperature	Not Available	
Decomposition Temperature	Not Available	
Kinematic Viscosity	Not Available	
Dynamic Viscosity	Not Available	
Explosive Properties	Not Available	
Oxidizing Properties	Not Available	

10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions and storage.
Chemical Stability	Stable under normal conditions and storage.
Conditions to Avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	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

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	UN 3082
DOT Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
DOT Hazard Classes:	
US DOT	9
Road (ADR)	9
Air (ICAO/IMDG)	9
Sea (IMO/IMDG)	9
Packing Group	III
DOT Label	9

15. REGULATORY INFORMATION

U.S. Federal Regulations

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

OSHA Hazard Communication Standard (26 CFR 1910.1200)

(X) Hazardous () Non- Hazardous

SARA TITLE III

Section 302/304 Extremely Hazardous Substances: None.
 Section 311/312 (40CFR370) Hazardous Categories: Immediate.
 Section 313 Contains the following SARA 313 Toxic Release Chemicals: None.

CERCLA

CERCLA Regulatory None known based on information supplied.

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 known based on information supplied.

Component	TSCA (United States)	DSL (Canada)	EINECS/ ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Nonionic Detergent (9016-45-9)	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.

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