

SAFETY DATA SHEET

F-JS-561/F-LN-562

Laundry Detergent

SECTION 1 - Identification

PRODUCT IDENTITY: Laundry Detergent

PRODUCT NUMBER: F-JS-561/F-LN-562

CORNHUSKER STATE INDUSTRIES
800 PIONEERS BLVD
LINCOLN, NEBRASKA 68502
PHONE: 800-348-7537 or 402-471-4597

Emergency Phone Number
CHEMTREC
1-800-424-9300

Recommended Use: Laundry Detergent.

Restrictions on Use: None known.

SECTION 2 – Hazard(s) Identification

Physical Hazards: Not classified.

Health Hazards:	Acute toxicity, oral	Category 4
	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1

Environmental hazards:	Hazardous to the aquatic environment, acute hazard	Category 2
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	Hazardous to the aquatic environment, long-term hazard	Category 3
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OSHA defined hazards: Not classified

Label Elements



Signal Word: Danger

Hazard statement: Causes skin irritation. Causes serious eye damage. Harmful if swallowed or inhaled.

Precautionary statement

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understand. Keep only in original container. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash skin thoroughly after handling. Wear eye protection/face protection. Wear protective gloves. Use personal protective equipment as required.

Response: **IF ON SKIN:** Wash with plenty of water.
IF INHALED: 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.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a **POISON CENTER** or doctor/physician.
If exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Absorb spillage to prevent material damage.

Storage: Store locked up.

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Disposal: Dispose of contents/container to an approved waste disposal plant.

Hazard(s) not otherwise Classified (HNOC): Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

SECTION 3 – Composition/ Information on Ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Benzene		68848-78-3	0.1-0.5
Dinonylphenyl polyoxyethylene		9014-93-1	0.2-0.5
Poly(ethyleneoxide)		25322-68-3	0-1.0
Benzenesulfonic Acid Mono-C10-16-alkyl Derivs, Sodium Salt		68081-81-2	9.3-10.3
Nonylphenol polyethylene glycolether		127087-87-0	25.0-26.0
Other components below reportable levels			61.9-65.4

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Composition comments: Occupational Exposure Limits for impurities are listed in Section 8.

SECTION 4 – First-aid Measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact: Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

Most Important Symptoms/ Effects, Acute and Delayed: Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result, Skin irritation. May cause redness and pain.

Indication of Immediate Medical Attention and Special Treatment Needed, if necessary: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General Information: Ensure that medical personal are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5 – Fire-Fighting Measures

Suitable & Unsuitable Extinguishing Media: Not applicable, non-combustible.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire. Not applicable, non-combustible.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters: None (non-combustible).

Fire-fighting equipment/instructions: Move containers from fire area if you can do so without risk.

Specific methods: Use standard firefighting procedures and consider the hazards of the other involved materials.

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General fire hazards: No usual fire or explosion hazards noted.

SECTION 6 – Accidental Release Measures

Personal precautions, Protective equipment & emergency procedures: Keep unnecessary personal away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during cleanup. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and clean up: This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

Environmental precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling: Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

SECTION 8 – Exposure Controls/Personal Protection

Occupational exposure limits:

Chemical Identity	Type	Exposure Limit Values	Source
Poly(ethylene oxide)	TWA aerosol	10 mg/m ³	US WEEL

Biological limit values: No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls: Good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles) and face shield.

Skin protection

Hand protection: Use appropriate gloves made of: Nitrile. Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC). Butyl rubber. Viton rubber (fluor rubber). Suitable gloves can be recommended by the glove supplier.

Other: Wear appropriate chemical resistant clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

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General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 – Physical and Chemical Properties

Appearance: Cloudy

Physical state: Liquid

Form: Liquid.

Color: Pale yellow.

Odor: Mild. Soapy.

Odor threshold: Not available

pH: 6.5-7.0

Melting point/

freezing Point: Not available

Initial boiling point and

boiling range: >212 °F(>100 °C)

Flash point: Not available

Evaporation Rate: Not available

Flammability (solid, gas): Not available

Upper/lower flammability or explosive limits

Flammability limit- lower: Not available

(%)

Flammability limit-upper: Not available

(%)

Explosive limit- lower (%): Not available

Explosive limit-upper (%): Not available

Vapor pressure: Not available

Vapor density: Not available

Relative density: Not available

Solubility(ies)

Solubility (water): Miscible

Partition coefficient: Not available

(n-octanol/water)

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: 1400-1800 cP @ 25 deg C

Other information

Density: 8.5

Specific Gravity: 1.01

SECTION 10 – Stability & Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to Avoid: Contact with incompatible materials.

Incompatible materials: Strong oxidizing agents. Strong acids. Strong bases.

Hazardous decomposition products: May yield sulfur dioxide and oxides of sulfur, aldehydes, ketones and organic acids.

SECTION-11 - TOXICOLICAL Information

Likely Routes of Exposure:

Inhalation: No adverse effects due to inhalation are expected.

Skin contact: Causes skin irritation

Eye Contact: Causes serious eye damage.

Ingestion: Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics: Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

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Information on toxicological effects

Acute toxicity

Components	Species	Test Results
Benzenesulfonic Acid, Mono-C10-16-alkyl Derivs, Sodium Salts (CAS 68081-81-2)		
<u>Acute</u> Dermal LD50	Rat	>2000 mg/kg
Oral LC50	Rat	1080 mg/kg

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye: Causes serious eye damage.
Irritation

Respiratory or skin sensitization

Respiratory sensitization: Not a respiratory sensitizer.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity: This product is not expected to cause reproductive or development effects.

Specific target organ toxicity- Not classified.
single exposure

Specific target organ toxicity- Not classified.
Repeated exposure

Aspiration hazard: Not available

SECTION 12 – ECOLOGICAL INFORMATION

N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

N/A

SECTION 14 – TRANSPORT INFORMATION

N/A

SECTION 15 – REGULATORY INFORMATION

N/A

SECTION 16 – OTHER INFORMATION

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Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. 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 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. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release.