

# SAFETY DATA SHEET

F-JS-145/F-LN-548

Laundry Detergent

## SECTION 1 - Identification

**PRODUCT IDENTITY:** Laundry Detergent

**PRODUCT NUMBER:** F-JS-145/F-LN-548

**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.

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## SECTION 2 – Hazard(s) Identification

**Physical Hazards:** Not classified.

<b>Health Hazards:</b>	Acute toxicity, oral	Category 4
	Acute toxicity, inhalation	Category 4
	Carcinogenicity	Category 2
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity, repeated exposure	Category 2

**Environmental hazards:** Hazardous to the aquatic environment, acute hazard Category 2

Hazardous to the aquatic environment, long-term hazard Category 3

**OSHA defined hazards:** Not classified

### Label Elements



**Signal Word:** Danger

**Hazard statement:** Causes skin irritation. Causes serious eye damage. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. 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.

# SAFETY DATA SHEET

F-JS-145/F-LN-548

Laundry Detergent

**Storage:** Store locked up.

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

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

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## SECTION 3 – Composition/ Information on Ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Isopropyl Alcohol		67-63-0	3.5
Diethanolamine		111-42-2	0.2
Triethanolamine		102-71-6	1.1
Tetrasodium ethylenediamine tetraacetate		64-02-8	1.2
Benzenesulfonic Acid Mono-C10-16-alkyl Derivs, Sodium Salt		68081-81-2	10.2
Nonylphenol polyethylene glycolether		127087-87-0	26.3
Other components below reportable levels			57.5

\*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.

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## 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.

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## 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.

# SAFETY DATA SHEET

F-JS-145/F-LN-548

Laundry Detergent

**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.

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

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## 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.

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## 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).

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## SECTION 8 – Exposure Controls/Personal Protection

### Occupational exposure limits:

Chemical Identity	Type	Exposure Limit Values	Source
Triethanolamine	TWA	5 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (03 2013)
	ST ESL	50 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	5µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	5 mg/m <sup>3</sup>	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
Diethanolamine – Inhalable fraction and vapor	TWA	1 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (03 2013)

## SAFETY DATA SHEET

F-JS-145/F-LN-548

Laundry Detergent

Diethanolamine	REL	3 ppm 15mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	TWA	3 ppm 15mg/m3	US. OSHA Table Z-1-A (29 CFR 1010.1000) (1989)
	TWA	3 ppm 15mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL	10 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	1 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	2 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	0.2 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	0.46 ppm 2 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
Poly(ethylene oxide)	TWA aerosol	10 mg/m3	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.

**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.

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## 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  
(%)

# SAFETY DATA SHEET

F-JS-145/F-LN-548

Laundry Detergent

**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**: 300-1300 cP @ 25 deg C  
**Other information**  
**Density**: 8.5  
**Specific Gravity**: 1.01

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## 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.

**Hazardous decomposition products**: No hazardous decomposition products are known.

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## 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.

### Information on toxicological effects

#### Acute toxicity

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

\*Estimates for product mat be based on additional component data not shown.

**Skin corrosion/irritation**: Causes skin irritation.

**Serious eye damage/eye irritation**: Causes serious eye damage.

**Respiratory or skin sensitization**

## SAFETY DATA SHEET

F-JS-266

Brilliant Blue Dish Soap

**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:**

Diethanolamine – Overall evaluation: 2B. Possibly carcinogenic to humans.

**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

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### SECTION 12 – ECOLOGICAL INFORMATION

N/A

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### SECTION 13 – DISPOSAL CONSIDERATIONS

N/A

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### SECTION 14 – TRANSPORT INFORMATION

N/A

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### SECTION 15 – REGULATORY INFORMATION

N/A

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### 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.