

# SAFETY DATA SHEET

F-JS-120

Commercial Laundry Compound

## SECTION 1 – Identification

**PRODUCT IDENTITY:** Commercial Laundry Compound

**PRODUCT NUMBER:** F-JS-120

**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:** Powder laundry detergent

**Restrictions on Use:** None known.

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## SECTION 2 – Hazard(s) Identification

**Physical Hazards:** Not classified

**Health Hazards:** Acute Toxicity, oral: Category 4

Target organs – Respiratory system  
acute target organ toxicity,  
(single exposure)

Category 3

Skin corrosion/irritation:

Category 1

Carcinogenicity

Category 2

Serious eye damage/eye irritation:

Category 2

**OSHA defined hazards:** Combustible dust

**Label Elements**



**Signal Word:**

Danger

**Hazard statement:**

Harmful if swallowed. Causes severe burns. Causes serious eye damage. May form combustible dust concentrations in the air. Suspected of causing cancer.

**Prevention:** Keep away from heat/sparks/open flames/hot surface.-No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves. Wear eye/face protection. Prevent dust accumulation to minimize explosion hazard. Observe good industrial hygiene practices.

**Response:** **If swallowed:** Call a poison control center/doctor if you feel unwell.

**If on skin:** Wash with plenty of water.

**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 control center/doctor. Rinse mouth.

**If skin irritation occurs:** Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

**Storage:** Store away from incompatible materials.

**Disposal:** Dispose of waste and residues in accordance with local authority requirements.

**Environmental hazards:** Hazardous to the aquatic environment. Acute hazard. Category 2

Hazardous to the aquatic environment. Long-term hazard. Category 3

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

**Supplemental information:** 2.2% of the mixture consists of component(s) of unknown acute oral toxicity. 6.7% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 6.7% of the mixture consists of component(s) unknown long-term hazards to the aquatic environment.

**SECTION 3 – Composition/Information on Ingredients**

<b>Mixtures</b>		
<b>Chemical name</b>	<b>CAS number</b>	<b>% by weight</b>
Pentasodium Triphosphate	7758-29-4	38.9
Sodium Carbonate	497-19-8	15.5
Benzenesulfonic Acid, Mono-CID-16-alkyl Derivs., Sodium Salts	68081-81-2	14.6
Sodium Sulfate	7757-82-6	9.7
Sodium Chloride	7647-14-5	6.8
Disodium Metasilicate	6834-92-0	6.8
Borax Decahydrate	1303-96-4	4.9
Sodium Carboxymethyl Cellulose	9004-32-4	0.4
Cocamide DEA	680603-42-9	0.2
Diethanolamine	111-42-2	0.2

**SECTION 4 – First-Aid Measures**

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

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

**Eye Contact:** Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Ingestion:** Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if you feel unwell.

**Most important symptoms/effects acute & delayed:** Severe eye irritation. Symptoms may include stinging, tearing, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate respiratory tract, skin and eyes. Skin irritation. May cause redness and pain.

**Indication of immediate medical attention and special treatment needed:** Provide general supportive measures and treat symptomatically. Keep victim warm. 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. Show this safety data sheet to the doctor in attendance.

**SECTION 5 – Firefighting Measures**

**Suitable Extinguishing Media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Apply extinguishing media carefully to avoid creating airborne dust.

**Unsuitable Extinguishing Media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.

**Special protective equipment & precautions for firefighters:** In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

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

**General fire hazards:** May form combustible dust concentrations in air.

**SECTION 6 – Accidental Release Measures**

**Personal precautions, protective equipment & emergency procedures:** Use only non-sparking tools. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. 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 cleaning up:** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Collect dust using a vacuum cleaner equipped with a HEPA filter.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. 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. For waste disposal, see section 13 of the SDS.

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

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**SECTION 7 – HANDLING & STORAGE**

**Precautions for safe handling:** Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Explosion-proof general and local exhaust ventilation. Do not get this material in contact with eyes, skin, and clothing. Do not taste or swallow. When using, do not eat drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities:** Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS)

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**SECTION 8 – Exposure Controls/Personal Protection**

**Exposure Limits**

Components	CAS Number	Exposure Limit	Basis
Diethanolamine	111-42-2	1 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	ACGIH TWA (Inhalable fraction of vapor) OSHA PEL (Mist)
Glycerine	56-81-5	5 mg/m <sup>3</sup>	OSHA PEL (Respirable fraction)

**Individual protection measures, such as a personal protective equipment**

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

**Skin protection: Hand protection:** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Respiratory protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been

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established), an approved respirator must be worn. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

**Other Protection:** Wear appropriate chemical resistant clothing.

**Thermal hazards:** Wear appropriate thermal protective clothing.

**General hygiene considerations:** When using do not eat, drink, or smoke. 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:** Solid

**Form:** Powder. Flakes

**Color:** White

**Odor:** Slightly soapy

**Odor Threshold:** Not available

**pH:** 7 - 8.5 (1% water solution)

**Melting point/freezing point:** Not available

**Boiling point:** Not applicable

**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

**Vapor pressure:** Not available

**Vapor density:** Not available

**Solubility(ies)**

**Solubility (Water):** 30% w/w @25° C estimated

**Partition coefficient (n-octanol/water):** Not available

**Auto-ignition temperature:** Not available

**Decomposition temperature:** Not available

**Viscosity:** Not available

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## SECTION 10 – Stability & Reactivity

**Reactivity:** The product is stable and non-reactive under normal conditions if 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:** Keep away from heat, sparks, open flames and other ignition sources. Minimize dust generation and accumulation. Contact with incompatible materials.

**Incompatible materials:** Strong oxidizing agents.

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

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## SECTION 11 – TOXICOLOGICAL Information

**Information on likely routes of exposure**

**Eye contact:** Causes serious eye damage.

**Skin Contact:** Causes skin irritation.

**Ingestion:** Harmful if swallowed.

**Inhalation:** Dust may irritate respiratory system.

**Symptoms related to the physical, chemical and toxicological characteristics:** Severe eye irritation. Dusts may irritate the respiratory tract, skin, and eyes. 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:** Harmful if swallowed.

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<b>Components</b>	<b>Species</b>	<b>Test Results</b>
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>		
LD50	Rat	1080 mg/kg
Sodium Sulfate (CAS 7757-82-6)		
<b>Acute</b>		
<b>Inhalation</b>		
LD50	Rat	>2.4 mg/l, 4 h
<b>Oral</b>		
LD50	Rat	>2000 mg/kg

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

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
Not listed.	
<b>Reproductive toxicity:</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity (single exposure)</b>	Not classified.
<b>Specific target organ toxicity (repeated exposure)</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.

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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

**Issue Date:** 10-22-2015

**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.