

SAFETY DATA SHEET

F-JS-531/F-LN-532

Alkali Laundry Builder

SECTION 1 - Identification

PRODUCT IDENTITY: Alkali Laundry Builder

PRODUCT NUMBER: F-JS-531/F-LN-532

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 builder.

Restrictions on Use: None known.

SECTION 2 – Hazard(s) Identification

Physical Hazards: Not classified

Health Hazards: Acute Toxicity (Oral): Category 4
Skin corrosion/irritation: Category 1A
Serious eye damage/eye irritation: Category 1

Environmental hazards: Acute hazards to the aquatic environment: Category 3

OSHA defined hazards: Not classified

Label Elements



Signal Word: Danger

Hazard statement: Corrosive. Harmful if swallowed. Causes severe skin burns and eye damage.

Prevention: Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dusts or mists. Wear protective gloves/protective clothing/eye protections/face protection.

Response: **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF SWALLOWED: Call a **POISON CENTER**/doctor if you feel unwell. Rinse mouth. Do **NOT** induce vomiting. Immediately call a **POISON CENTER**/doctor. Specific treatment (see this label). Wash contaminated clothing before reuse.

Storage: Store in a closed container. Keep container tightly closed. Store in a well-ventilated place. Store in a dry place. Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: None

SECTION 3 – Composition/ Information on Ingredients

Substances

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
Sodium hydroxide		1310-73-2	24 - 26
Water		7732-18-5	24 - 26
Sodium Chloride		7647-14-5	0 - 2.5

*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume

SECTION 4 – First-aid Measures

General information: CAUTION! First aid personnel must be aware of own risk during rescue !

Ingestion: Do not induce vomiting. Never give liquid to an unconscious person. Get medical attention immediately.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped. Get medical attention immediately.

Skin contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

SECTION 5 – Fire-Fighting Measures

General fire hazards: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use: Powder. In case of fire the surroundings: all extinguishing agents allowed.

Unsuitable extinguishing media: Avoid water in straight hose steam; will scatter and spread fire.

Specific hazards arising from the chemical: Fire or excessive heat may produce hazardous decomposition products.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Avoid breathing fire vapors. Avoid water in straight hose stream; will scatter and spread fire. Move container from fire area if it can be done without risk.

SECTION 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep unauthorized personal away.

Methods and materials for containment and cleaning up: Absorb spillage with non-combustible, absorbent material. Dike for later disposal.

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling: Use personal protective equipment as required. Use only with adequate ventilation. Container must be kept tightly closed.

Conditions for safe storage, including any incompatibilities: Keep container tightly close. Store in appropriate chemical storage area. Keep cool, well-ventilated place. Store in corrosive resistant container with resistant inner liner.

SECTION 8 – Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Chemical identity	Type	Exposure limit value	Source
Sodium hydroxide	Ceiling	2 mg/m ³	US. ACGIH Threshold Limit Values (03 2013)
	Ceil_Tim e	2 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	2mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	Ceiling	2mg/m ³	US.OSHA Table Z-1-A(29 CFR 1910.1000) (1989)
	Ceiling	2mg/m ³	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A(06 2008)
Sodium hydroxide- Particulate	ST ESL	20µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	2µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
Sodium hydroxide	Ceiling	2mg/m ³	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)

Appropriate engineering controls: Adequate ventilation should be provided so that exposure limits are not exceeded. Eye washes and showers for emergency use.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. Practice good housekeeping.

Eye/face protection: Use personal protective equipment as required. Wear goggles/face shield.

Skin protection

Hand protection: Chemical resistant gloves.

Other: Chemical resistant clothing.

Respiratory protection: In case of inadequate ventilation use suitable respirator.

Hygiene measures: When using do not eat, drink or smoke. Wash thoroughly after handling. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

SECTION 9 – Physical and Chemical Properties

Physical state: Liquid
Form: No data available.
Color: No data available.
Odor: No data available.
Odor Threshold: No data available.
pH: 14
Melting point/freezing Point: -12 - 10° C
Initial boiling point and boiling range: 105 - 104°C
Flash point: No data available.
Evaporation Rate: No data available.
Flammability (solid, gas): No data available
Upper/lower limit on flammability or explosive limit
Flammability limit – upper (%): No data available.
Flammability limit – lower (%): No data available.
Explosive limit – upper (%): No data available.
Explosive limit – lower (%): No data available.

Vapor Pressure: No data available.
Vapor Density: No data available.
Relative density: No data available.
Solubility (ies)
Solubility in water: No data available.
Solubility (other): No data available.
Partition coefficient (n-octanol/water):
No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available

SECTION 10 – Stability & Reactivity

Reactivity: No data available.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: This product may generate hydrogen gas. Keep away from ignition source. Empty container after use should be stored in separate area, and be disposed after degassing completely.

Conditions to Avoid: No data available.

Incompatible materials: Avoid contact with acids and oxidizing substances.

Hazardous decomposition products: This product may generate hydrogen gas. Keep away from ignition source. Empty container after use should be stored in separate area, and be disposed after degassing completely.

SECTION-11 - TOXICOLICAL Information**Symptoms related to the physical, chemical and toxicological characteristics**

Inhalation : No data available.
Skin Contact : No data available.
Eye Contact : No data available.
Ingestion: No data available.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)****Oral**

Product: ATEmix (): 353.488372 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: No data available.

Specified substance(s):

Sodium Chloride LC 50(Rat.):>42 mg/l 2(reliable with restrictions)

Repeated dose toxicity

Product: No data available.

Skin corrosion damage/irritation

Product: Causes skin burns.

Serious eye damage/eye irritation

Product: Causes serious eye damage. Causes severe eye burns.

Respiratory or skin sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ cell mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific target organ toxicity-single exposure

Product: No data available.

Specific target organ toxicity-repeated exposure

Product: No data available.

Aspiration hazard

Product: No data available.

Other effects: No data 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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