

SAFETY DATA SHEET

F-JS-652

Cornhusker Green Glass Cleaner

SECTION 1 - Identification

PRODUCT IDENTITY: Cornhusker Green Glass Cleaner Concentrate **PRODUCT NUMBER:** F-JS-652

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: Glass cleaning.
Restrictions on Use: None known.

SECTION 2 – Hazard(s) Identification

Physical Hazards: Not classified

Health Hazards:

Acute Toxicity, oral:	Category 4
Acute Toxicity, dermal:	Not classified
Skin corrosion/irritation:	Category 2
Serious eye damage/eye irritation:	Category 1

OSHA defined hazards: Not classified

Label Elements



Signal Word: DANGER

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

Prevention: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Do not get in eyes, on skin, or on clothing.

Wash skin thoroughly after handling.

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

Avoid release to the environment.

Use personal protective equipment as required.

Response: IF SWALLOWED: Immediately call a **POISON CENTER** or doctor/physician. Rinse mouth. Do **NOT** induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Storage: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50° C/ 122° F.

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

Hazard(s) not otherwise classified (HNOC): None Known

Supplemental information: None Known

SECTION 3 – Composition/ Information on Ingredients

Mixtures

Chemical Name

Proprietary, non-hazardous, non-regulated	10-11%
Alcohols, C9-11, ethoxylated	1.25-1.875%
Poly(oxy-1,2-ethanediyl), .alpha. -hydro-.omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates	0.125-0.625%

SECTION 4 – First-aid Measures

Eye Contact: Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. If eye irritation persists, obtain medical attention.

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Skin Contact: Take off contaminated clothing and shoes immediately. Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. If reddening develops and/or persists, obtain medical attention.

Ingestion: Rinse mouth with water. Do NOT induce vomiting unless instructed to do so. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Inhalation: Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Most important symptoms/effects acute & delayed: The most important known symptoms and effects are described in the labeling (see Section 2) and/or Section 11.

Indication of any immediate medical attention and special treatment needed: No data available.

SECTION 5 – Firefighting Measures

Flammability: No data available

Flash Point: DNA

Flash Point Method: DNA

Burning Rate: No data available

Auto ignition Temp: No data available

LEL: DNA

UEL: DNA

Extinguishing Media:

Water Spray

Water Fog

Carbon Dioxide

Alcohol-Resistant Foam

Dry Chemical

Special Hazards Arising From the Substance or Mixture:

Aldehydes Carbon

Nitrogen Oxides (NOx)

Oxides Hydrocarbon

Phosphorous Oxides

Particulate Hydrogen

Sodium Oxides

Chloride Gas

Sulfur Oxides

Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators.

Further Information:

If incinerated, may release toxic fumes.

Use water spray to cool unopened containers.

Do NOT use high volume water jet to extinguish fire, as the force of the water jet may cause fire to spread.

See Section 7 for more information on safe handling.

See Section 8 for more information on personal protection equipment.

SECTION 6 – Accidental Release Measures

Personal precautions, Protective equipment & emergency procedures:

Use personal protective equipment.

Keep from contacting skin or eyes.

Avoid breathing vapors, mist or gas.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

Environmental Precautions:

Prevent further release (leakage/spillage) if safe to do so.

Do not allow product to enter drains.

Do not allow to drain to environment.

Methods and materials for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust)

Place contaminated material into suitable, closed containers for disposal.

Dispose of contaminated material according to Section 13.

After spillage has been collected, area may be flushed with water or wet-brushed.

Ensure adequate ventilation.

Reference to Other Sections:

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

SECTION 7 – HANDLING & STORAGE

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Handling Precautions:

Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Keep containers closed when not in use. Do not expose containers to open flame, excessive heat, or direct sunlight. Keep away from sources of ignition. Do not smoke while using material. Do not puncture or drop containers. Handle with care and avoid spillage on the floor (slippage). Keep material out of reach of children. Keep material away from incompatible materials. Wash thoroughly after handling.

Storage Requirements: Keep container tightly closed. Stored in a well-ventilated place. Do not store at temperature exceeding 50°C/122°F. Do not store in direct sunlight. Store away from strong acids, strong bases, strong oxidizing agents, strong reducing agents, Alcohols, Amines, reactive metals (Zinc & Aluminum) and their alloys (Brass, etc). Copper and its alloys, Iron, rubber, and materials that are reactive with Hydroxyl compounds.

SECTION 8 – Exposure Controls/Personal Protection

Engineering controls: All ventilation should be design in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Personal protective equipment

Eye/face protection: When using material use safety glasses and gloves according to HMIS PP, B. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin Protection: Handle with gloves made from PVC, Neoprene or Nitrile. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable Laws and laboratory practices.

Body Protection: Chemically resistant gloves and safety glasses are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

Respiratory protection: Full-face vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds.

Control of Environmental Exposure: Prevent leakage or spillage if safe to do so. Do not let material enter drains.

Components with workplace control parameters:

Contains no substances with occupational exposure limit values.

Biological occupational exposure limits:

Contains no substances with biological occupational exposure limit values.

SECTION 9 – Physical and Chemical Properties

Appearance: Clear, blue liquid

Physical State: Liquid

Odor Threshold: Not determined

Particle Size: Not determined

Spec Grav./Density: 1.028 g/ ml (8.58 lbs/ gal)

Viscosity: Not determined

Boling Point: 100.6°C (213°F)

Flammability: (solid, gas): Not determined

Partition Coefficient: Not determined

Vapor Pressure: (mm Hg @ 25°C): 20

pH: @ 1%: 7.4

Evap. Rate.: (N-Butyl Acetate = 1): Not determined

Molecular weight: MIXTURE

Decomp Temp: Not determined

Odor: Pleasant

Molecular Formula: MIXTURE

Solubility: 100%

Softening Point: Not determined

Percent Volatile: 0.13%

Heat Value: Not determined

Freezing/Melting Pt.: Not determined

Flash Point: DNA

Octanol: Not determined

Vapor Density: Not determined

VOC: 1.3g/l

Bulk Density: Not determined

Auto-Ignition Temp: Not determined

UFL/LFL: Not determined

SECTION 10 – Stability & Reactivity

Stability: Product is stable under normal conditions.

Conditions to avoid: Incompatibilities, flames, ignition sources.

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Materials to Avoid: Strong acids, strong bases, strong oxidizing agents, strong reducing agents, Alcohols, Amines, reactive metals (Zinc 7 Aluminum) and their alloys (Brass, etc.), Copper and its alloys, Iron, rubber, and materials that are reactive with Hydroxyl compounds.

Hazardous Decomposition: Aldehydes, Carbon Oxides, Hydrocarbon particulate, Hydrogen Chloride gas, Nitrogen Oxides (NOx), Phosphorous Oxides, Sodium Oxides and sulfur Oxides.

Hazardous Polymerization: Will not occur.

SECTION-11 - TOXICOLOGICAL Information

Component(s): Alcohols, C9-11, ethoxylated; Poly(oxy-1, 2-ethanedily), alpha.-hydro.-omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates

CAS No(s): 68439-46-3: 68130-47-2

Acute Toxicity: LD50 Oral-Rat: 3,950 mg/kg LD50 Dermal-Rabbit: 5,000 mg/kg

Skin Corrosion/Irritation: Rabbit skin- Corrosive (4 h).

Serious Eye Damage/Eye Irritation: Rabbit eyes-Severe eye irritation.

Respiratory or Skin Sensitation: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No data available.

Specific Target Organ Toxicity- Single Exposure: No data available.

Aspiration Hazard: No data available.

Additional Information: Component; Alcohols, C9-11, ethoxylated; RTECS: AX8100000

Component: Poly (oxy-1,2-ethanedily), alpha.-hydro.-omega.-hydroxy-, mono -C8-10-alkyl ethers, phosphates; RTECS: 1001516AS.

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 a guidance for safe handling, use, processing, storage, transportation, disposal and release.