

SAFETY DATA SHEET

CI Bar Glass Cleaner

Non-Chlorinated Low-Foam Liquid Glassware Detergent · Product Code: CI-J440

For Industrial & Institutional Use Only

■ DANGER — CORROSIVE

Hazard Statements: May be corrosive to metals (H290). Causes severe skin burns and eye damage (H314). Causes serious eye damage (H318). Contains sodium hydroxide (caustic soda) — direct contact causes immediate chemical burns.

Section 1. Identification

Product Identifier:CI Bar Glass Cleaner

Product Code:CI-J440

Other Names:E-8 Bar Glass Cleaner (legacy designation)

Recommended Use:Low-foaming, non-chlorinated liquid detergent for automatic bottle washers, glass washers, and low-temperature dish machines in commercial and institutional settings.

Restrictions on Use:For industrial and institutional use only.

Supplier	Emergency Contact
Chem International 10770 180 St NW Edmonton, AB T5S 2S4 Tel: 1-800-665-7287 cheminternational.com	Chem International: 1-800-665-7287 Mon–Fri 8:00am–4:30pm MT

Section 2. Hazards Identification

GHS Classification	Category
Corrosive to Metals	Category 1
Serious Eye Damage / Irritation	Category 1
Skin Corrosion / Irritation	Category 1

Signal Word:

DANGER

Appearance: Clear, colourless liquid	Physical State: Liquid	pH: Highly alkaline
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Prevention:

Do not breathe dusts or mists. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, and eye/face protection. Keep only in original packaging.

Response:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician. 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 centre or physician. Absorb spillage to prevent material damage.
Storage:	Store locked up. Store in a corrosion-resistant container with a resistant inner liner. Keep out of reach of children. Store in a cool, dry area.
Disposal:	Dispose of contents and container in accordance with local, provincial, national, and international regulations.
Other Hazards:	None identified beyond the classifications above.

Section 3. Composition / Information on Ingredients

Chemical Name	Common Names	CAS No.	% (w/w)
Sodium hydroxide (50%)	Caustic soda, lye	1310-73-2	15–40%

Section 4. First Aid Measures

Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.
Skin Contact:	Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.
Most Important Symptoms:	Causes serious eye damage. Causes severe skin burns and eye damage.
Notes to Physician:	Treat symptomatically based on clinical presentation of chemical burns.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media:	Use extinguishing media appropriate for the surrounding fire.
Specific Hazards:	May liberate carbon monoxide, carbon dioxide, and oxides of sodium during combustion.
Protective Equipment:	As for surrounding fire. Firefighters should wear full protective clothing and self-contained breathing apparatus (SCBA).

Section 6. Accidental Release Measures

Personal Precautions:	Wear appropriate protective equipment (see Section 8). Isolate the hazard area and restrict access.
Environmental Precautions:	Prevent product from entering sewers, waterways, or low-lying areas.
Small Spills:	Soak up with inert absorbent material and scoop into containers.
Large Spills:	Prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container, and flush with water.

Section 7. Handling and Storage

Safe Handling:	Do not breathe dusts or mists. Wash hands thoroughly after handling. Keep only in original packaging. Do not ingest. Avoid contact with eyes, skin, and clothing.
Storage Conditions:	Store locked up. Store in a corrosion-resistant container with a resistant inner liner. Keep out of reach of children. Store in a cool, dry area.
Incompatibilities:	Strong acids and oxidizers. Reactive metals.

Section 8. Exposure Controls / Personal Protection

Ingredient	Exposure Limit
Sodium hydroxide (50%)	ACGIH TLV: 2 mg/m ³

Control / PPE Type	Requirement
Engineering Controls:	Provide exhaust ventilation to keep airborne levels below recommended exposure limits.
Respiratory Protection:	If exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator.
Eye / Face Protection:	Chemical splash goggles and face shield required.
Hand Protection:	Chemical-resistant gloves (nitrile or neoprene) required.
Body Protection:	Chemical-resistant protective clothing required.

Section 9. Physical and Chemical Properties

Physical State:	Liquid	Explosion / Flammability Limits:	Not available
Appearance:	Clear liquid	Auto-ignition Temperature:	Not available
Colour:	Colourless	Decomposition Temperature:	Not available
Odour:	Not available	Vapour Pressure:	Not available
pH:	Highly alkaline	Vapour Density:	Not available
Melting / Freezing Point:	Not available	Relative Density:	1.131
Boiling Point:	Not available	Solubility:	Complete (in water)
Flash Point:	Not applicable	Partition Coefficient:	Not available
Evaporation Rate:	Not available	Kinematic Viscosity:	Not available
Flammability:	Not available	Particle Characteristics:	Not applicable

Section 10. Stability and Reactivity

Reactivity:	Non-reactive under normal use conditions.
Chemical Stability:	Stable.
Hazardous Reactions:	Reacts exothermically with acids. Reacts with reactive metals to release hydrogen gas (potential explosion/fire hazard).
Conditions to Avoid:	Contact with incompatible materials. Contamination with acidic or reactive substances.

Incompatible Materials: Acids (violent exothermic neutralization). Oxidizers. Reactive metals including aluminum, zinc, tin, and galvanized surfaces.

Hazardous Decomposition: Not available under normal conditions.

Section 11. Toxicological Information

Likely Routes of Exposure: Skin contact, eye contact, inhalation, ingestion.

Route	Acute Health Effects
Inhalation	May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed. Causes severe burns to mouth, throat, and digestive tract.
Eye Contact	Causes serious eye damage. Risk of permanent corneal damage.
Skin Contact	Causes severe skin burns. Immediate chemical burn on contact.

Endpoint	Classification / Result
Acute Toxicity	Data not available for mixture
Skin Corrosion / Irritation	Category 1 — causes severe skin burns
Serious Eye Damage / Irritation	Category 1 — causes serious eye damage
Respiratory / Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
STOT — Single Exposure	Not classified
STOT — Repeated Exposure	Not classified
Aspiration Hazard	Not classified

Toxicological Data (Sodium Hydroxide): Specific LD50/LC50 data not available. Corrosive action via direct tissue destruction; toxicity endpoints are dominated by corrosive injury rather than systemic absorption.

Section 12. Ecological Information

Ecotoxicity, persistence/degradability, bioaccumulative potential, mobility in soil, and other adverse ecological effects data are not available for this mixture. However, due to the highly alkaline nature of this product, it can raise aquatic pH to levels toxic to fish and aquatic organisms. Prevent discharge to waterways, sewers, and soil.

Section 13. Disposal Considerations

Dispose of all waste in accordance with local, provincial, and federal regulations. Due to the corrosive nature of this product, waste may be classified as hazardous waste under applicable jurisdictions. Neutralization may be required prior to disposal. Dispose of contents and container in accordance with local, regional, national, and international regulations.

Section 14. Transport Information

Regulation	UN No.	Proper Shipping Name	Class	Pkg Group
TDG (Canada)	UN1824	Sodium Hydroxide Solution	8 — Corrosive	II
DOT (U.S.)	UN1824	Sodium Hydroxide Solution	8 — Corrosive	II
IMDG (Sea)	UN1824	Sodium Hydroxide Solution	8 — Corrosive	II
IATA (Air)	UN1824	Sodium Hydroxide Solution	8 — Corrosive	II

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure persons transporting the product are trained in the handling of corrosive materials and know what to do in the event of an accident or spillage.

Section 15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations (HPR) and this SDS contains all information required by the HPR. All ingredients are listed on the Canadian Domestic Substances List (DSL) or are otherwise compliant with applicable inventory requirements.

WHMIS 2015 Classification: Corrosive to Metals Cat. 1; Serious Eye Damage Cat. 1; Skin Corrosion Cat. 1.

Section 16. Other Information

Issue Date: March 1, 2026

Revision Date: April 16, 2026

Version: 1

Revision Notes: Supplier updated to Chem International. Product rebranded from legacy E-8 Bar Glass Cleaner designation. Formatting revised to CI standard.

Prepared By: Chem International Technical Services — 1-800-665-7287

NFPA Ratings (Estimated)	HMIS® Ratings (Estimated)
Health: 3 Fire: 0 Reactivity: 1 Special: COR	Health: 3 Flammability: 0 Physical Hazards: 1 PPE: C

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