

CI ChemWash X

High-Alkaline Powder Degreaser for Industrial Parts Washers — Rust Removal, Paint Stripping, and Decarbonizing

■ **DANGER — CORROSIVE MATERIAL** ■ Contains caustic soda (sodium hydroxide). Causes severe skin burns and serious eye damage. Read full SDS before use.

HEALTH 1/2

CORROSIVE

CARC. CAT 2

SIGNAL: DANGER

1. IDENTIFICATION

Product identifier:	CI ChemWash X
Product code:	CI-CWX-20L
Other name(s):	CI ChemWash X Heavy Duty Parts Wash
Recommended use:	High-alkaline powder degreaser for cabinet-style industrial parts washers. Removes heavy grease, baked-on carbon, rust, corrosion layers, and industrial paint coatings from iron and steel parts.
Restrictions on use:	Not for use on aluminum or soft metals without testing. Do not use in foaming washer systems. Always add powder to water — never add water to powder.
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2. HAZARDS IDENTIFICATION

Classification of the Mixture

Carcinogenicity	Category 2
Corrosive to Metals	Category 1
Serious Eye Damage/Irritation	Category 1
Skin Corrosion/Irritation	Category 1

Label Elements

Signal word:	DANGER
Hazard statements:	H351 — Suspected of causing cancer. H290 — May be corrosive to metals. H318 — Causes serious eye damage. H314 — Causes severe skin burns and eye damage.

Precautionary — Prevention:

P260 — Do not breathe dusts or mists. P264 — Wash hands thoroughly after handling. P201 — Obtain special instructions before use. P202 — Do not handle until all safety precautions have been read and understood. P280 — Wear protective gloves, protective clothing, and eye/face protection. P234 — Keep only in original packaging.

Precautionary — Response:

P301+P312 — IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician. P303+P361+P353 — IF ON SKIN (or hair): Remove contaminated clothing immediately. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician. P304+P340+P310 — IF INHALED: Remove to fresh air; keep comfortable for breathing. Immediately call a poison centre or physician. P305+P351+P338+P310 — 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. P308+P313 — If exposed or concerned: Get medical advice. P390 — Absorb spillage to prevent material damage.

Precautionary — Storage:

P405 — Store locked up. P406 — Store in a corrosion-resistant container with a resistant inner liner.

Precautionary — Disposal:

P501 — Dispose of contents and container in accordance with local, provincial, and federal regulations.

Hazards not otherwise classified:

Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Conc. w/w	CAS #	Common Names
Sodium hydroxide	45–70%	1310-73-2	Caustic soda
Trisodium nitrilotriacetate	10–30%	5064-31-3	NTA — sequestering agent

All hazardous chemicals as determined by WHMIS/HPR have been listed. Concentrations shown as ranges reflect batch variation or confidentiality requirements.

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4. FIRST-AID MEASURES

Necessary Measures

Swallowed:	Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.
Skin or hair:	Remove all contaminated clothing immediately. Rinse skin thoroughly with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.
Inhaled:	Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.
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.
If exposed or concerned:	Get medical advice immediately.
Spill on body/clothing:	Absorb spillage to prevent further material contact or damage.

Most Important Symptoms (Acute and Delayed)

Critical hazards:	Suspected of causing cancer. Causes serious eye damage. Causes severe skin burns and eye damage.
Immediate treatment:	Not applicable. Seek emergency medical attention immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use extinguishing media appropriate for surrounding fire conditions.
Hazardous combustion products:	May liberate carbon monoxide, carbon dioxide, and oxides of sodium.
Special precautions for firefighters:	Firefighters must wear full protective clothing and self-contained breathing apparatus (SCBA). Use water spray or fog to cool exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear appropriate protective equipment. See Section 8. Evacuate unnecessary personnel.
Environmental precautions:	Prevent entry into sewers, waterways, and low-lying areas.
Containment and cleanup:	Isolate hazard area and restrict access. Small spills: absorb with inert dry material (NOT sawdust); scoop into suitable containers. Large spills: prevent contamination of waterways; dike and pump into suitable containers. Clean residual with absorbent material, place in appropriate container, and flush area with water. Absorb spillage immediately to prevent corrosive material damage to surfaces and equipment.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Safe handling:

Do not breathe dusts or mists. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions are understood. Keep only in original packaging. Do not ingest. Avoid contact with eyes, skin, and clothing. ALWAYS add powder slowly to water — never add water to powder. Rapid heat buildup and violent spattering can result.

Conditions for Safe Storage**Storage:**

Store locked up in a cool, dry area in a corrosion-resistant container with a resistant inner liner. Keep out of reach of children. Incompatible materials: Oxidizers, acids, aluminum, and soft metals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control Parameters — Occupational Exposure Limits**

Ingredient	Limit
Sodium hydroxide (caustic soda)	ACGIH: 2 mg/m ³
Trisodium nitrilotriacetate (NTA)	Not established

Exposure Controls**Engineering controls:**

Provide exhaust ventilation to maintain airborne concentrations below recommended exposure limits. Use in well-ventilated areas when mixing or loading powder.

Respiratory protection:

If exposure exceeds occupational exposure limits, use a NIOSH-approved respirator suitable for dusts and mists.

Other protection:

Chemical-resistant gloves (nitrile or neoprene). Full face shield or goggles. Chemical-resistant protective clothing. Safety footwear.

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9. PHYSICAL AND CHEMICAL PROPERTIES**Physical state:** Dust-free granular powder with specks**Colour:** White**Odour:** Characteristic alkaline odour**pH (1% solution):** 12.5+**Flash point:** Not applicable**Boiling point/range:** Not available**Melting/freezing point:** Not available**Flammability:** Not available**Lower/upper flammability limits:** Not available**Auto-ignition temperature:** Not available**Decomposition temperature:** Not available**Density / Relative density:** 1.000 g/mL (solution)**Solubility:** > 20% in water**Vapour pressure:** Not available**Vapour density:** Not available**Partition coeff. (n-octanol/water):** Not available**Kinematic viscosity:** Not available**Particle characteristics:** Not available**10. STABILITY AND REACTIVITY****Reactivity:** Considered non-reactive under normal use conditions.**Chemical stability:** Stable.**Hazardous reactions:** Reacts with acids and metals. Generates heat on contact with water.**Conditions to avoid:** Contact with acids, oxidizers, aluminum, and other reactive metals. Adding water to powder.**Incompatible materials:** Oxidizers. Acids. Aluminum. Soft metals.**Hazardous decomposition products:** Not available.**11. TOXICOLOGICAL INFORMATION****Potential Acute Health Effects****Inhalation:** May cause respiratory tract irritation. Do not breathe dust or mist.**Ingestion:** May be harmful if swallowed. Causes burns to mouth, throat, and digestive tract.

Eye contact:	Causes serious eye damage. Immediate rinsing and medical attention required.
Skin contact:	Causes severe skin burns. Remove contaminated clothing and rinse immediately.
Skin absorption:	Not available.

Potential Chronic Health Effects

Inhalation:	Not available.
Ingestion:	Not available.
Eye contact:	Not available.
Skin contact:	Not available.
Skin absorption:	Not available.
Mutagenicity:	Not available.
Carcinogenicity:	See Section 2. Trisodium NTA — Category 2 suspected carcinogen.
Reproductive toxicity:	See Section 2.
Sensitization:	See Section 2.
STOT — single exposure:	See Section 2.
STOT — repeated exposure:	See Section 2.

Toxicological Data	
Ingredient	Data
Sodium hydroxide	Not available
Trisodium nitrilotriacetate (NTA)	Oral LD50: 1450 mg/kg (rat)

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12. ECOLOGICAL INFORMATION**Ecotoxicity (aquatic and terrestrial):** Not available.**Persistence and degradability:** Not available.**Bioaccumulative potential:** Not available.**Mobility in soil:** Not available.**Other adverse effects:** Not available.**Ecological information on ingredients:** Not available.**13. DISPOSAL CONSIDERATIONS****Waste disposal:** Disposal of all waste must be conducted in accordance with local, provincial, and federal regulations. Neutralize spent bath solution before disposal. Do not discharge concentrated alkaline solution to drains without treatment.**14. TRANSPORT INFORMATION****TDG classification (Canada):** UN 1823 | SODIUM HYDROXIDE, SOLID | Class 8 | Packing Group II**DOT classification (US):** UN 1823 | Sodium Hydroxide, Solid | Class 8 | PG II**IATA / IMDG:** UN 1823 | Sodium Hydroxide, Solid | Class 8 | PG II**15. REGULATORY INFORMATION****WHMIS 2015:** This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR). This SDS contains all information required by the HPR.**TSCA (US):** All components are present on the US EPA TSCA inventory.**California Prop. 65:** Trisodium nitrilotriacetate (NTA) is listed under California Proposition 65 as a substance known to cause cancer. Use in accordance with applicable regulations.**16. PREPARATION INFORMATION****Prepared by:** Chem International — Technical Department**Date of preparation:** April 2026**Date of revision:** April 2026**Version:** 1.0

DISCLAIMER: This Safety Data Sheet is prepared in accordance with the Hazardous Products Regulations (WHMIS 2015) and GHS requirements. The information contained herein is based on data considered accurate as of the date of preparation. No warranty, expressed or implied, is made as to the accuracy or completeness of this information. Chem International assumes no responsibility for personal injury or property damage resulting from use of this product outside of the conditions described herein. This product contains

caustic soda — users must ensure all personnel handling this product have received appropriate training and are equipped with correct PPE. Users are responsible for full compliance with all applicable regulations.

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