

CIP CLEANER

SECTION 1. IDENTIFICATION

Product Identifier CIP CLEANER
Other Means of Identification Code: T-602
Recommended Use Cleaning product.
Manufacturer/Supplier Identifier Epsilon Chemicals Ltd., 1926-94 Street N.W., Edmonton, Alberta, T6N1J3, (780) 438-3040
Emergency Phone No. CANUTEC, (613) 996-6666, 24/7

SECTION 2. HAZARD IDENTIFICATION

Classification

Corrosive to metals - Category 1; Skin corrosion - Category 1; Serious eye damage - Category 1

Label Elements



Signal Word:
Danger

Hazard Statement(s):

H314 Causes severe skin burns and eye damage.
H290 May be corrosive to metals.

Precautionary Statement(s):

Prevention:

P260 Do not breathe dusts or mists.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P315 Get immediate medical advice/attention.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P315 Get immediate medical advice/attention.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P315 Get immediate medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315 Get immediate medical advice/attention.

Storage:

Store locked up in a cool, well-ventilated place away from possible contaminants.
Keep container closed when not in use.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Sodium carbonate	497-19-8	40-70		
Nitrilotriacetic acid, trisodium salt	5064-31-3	15-40		
Sodium hydroxide	1310-73-2	10-30		
1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt, dihydrate	51580-86-0	1-5		troclosene sodium, dihydrate

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.

Skin Contact

Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Get medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Ingestion

Rinse mouth with water. Do not induce vomiting. Get medical attention.

Most Important Symptoms and Effects, Acute and Delayed

Causes severe irritation and burns to the skin. Causes serious eye damage.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Product

May liberate carbon monoxide, carbon dioxide and oxides of sodium.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Isolate hazard area and restrict access. 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

Precautions for Safe Handling

Do not breathe in this product. Wash hands thoroughly after handling. Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for Safe Storage

Store locked up in a cool, well-ventilated place away from possible contaminants. Keep container closed when not in use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL®	
	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term TWA [C]
Sodium hydroxide		2 mg/m3	2 mg/m3	2 mg/m3		
Sodium carbonate	Not established		Not established			
Nitrilotriacetic acid, trisodium salt	Not established		Not established			

Appropriate Engineering Controls

Use with adequate ventilation.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Rubber gloves and coveralls should be worn.

Respiratory Protection

Use appropriate certified respirators when facing concentrations above the exposure limit.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Odour	Chlorine
pH	12.1; (1% solution)
Relative Density (water = 1)	1.000
Solubility	Moderately soluble (1-10%) in water

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Reacts with acids and metals.

Incompatible Materials

Acids, oxidizing agents (e.g. peroxides).

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium hydroxide	Not available	340 mg/kg (rat)	1350 mg/kg (rabbit)
Sodium carbonate	1150 mg/m3 (male rat) (4-hour exposure)	2800 mg/kg (rat)	> 2000 mg/kg (rabbit)
Nitrilotriacetic acid, trisodium salt	> 5 mg/L (rat) (4-hour exposure)	2100 mg/kg (rat)	Not available

Skin Corrosion/Irritation

Causes severe skin burns.

Serious Eye Damage/Irritation

Causes serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause irritation of respiratory tract.

Ingestion

May be harmful if swallowed.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Sodium hydroxide	Not evaluated	Not designated	Not Listed	Not Listed
Sodium carbonate	Not Listed	Not designated	Not Listed	Not Listed
Nitrilotriacetic acid, trisodium salt	Group 2B	Not designated	Not Listed	Not Listed

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No information was located.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	1823	Sodium hydroxide, Solid	8	II
Canadian TDG	1823	Sodium hydroxide, Solid	8	II

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations
Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

SECTION 16. OTHER INFORMATION

SDS Prepared By	Technical Service Department, Epsilon Chemicals
Phone No.	(780) 438-3040
Date of Preparation	July 28, 2017
Date of Last Revision	July 28, 2017
Disclaimer	The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.