

ISSUE DATE: January 2023

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VERSION: 1

1. IDENTIFICATION

PRODUCT IDENTIFIER

PRODUCT NAME CIP CLEANER PLUS

OTHER MEANS OF IDENTIFICATION

SDS Number E-007

UN/ID Number UN 3266

Product Code

Recommended Uses Cleaning agent

SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS E-ZOIL Products, Inc.
DBA Emulso
2750 Kenmore Avenue
Tonawanda, NY 14150

EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (716) 854-2889

COMPANY FAX NUMBER (716) 854-2809

24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)

NORTH AMERICA 800-535-5053

INTERNATIONAL 352-323-3500

2. HAZARDS IDENTIFICATION

CLASSIFICATION

Skin corrosion/irritation Category 1 Sub-category B
Serious eye damage/eye irritation Category 1

SIGNAL WORD Danger

HAZARD STATEMENTS



HAZARD STATEMENTS Causes severe skin burns and eye damage

APPEARANCE LIQUID

PHYSICAL STATE LIQUID

PRECAUTIONARY STATEMENTS

PREVENTION	Do not breathe dust/fume/gas/ mist/ vapors/ spray Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Wear protective gloves/ protective clothing/ eye protection/ face protection
RESPONSE	Immediately call poison center or doctor/ physician
IF SWALLOWED	Rinse mouth. Do NOT induce vomiting
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 CENTER or doctor/physician
IF ON SKIN/HAIR	Immediately remove all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse.
IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician.
IF EXPOSED/CONCERNED	Get medical advice/ attention.
STORAGE	Store locked-up.
DISPOSAL	Dispose of contents/container to an approved waste disposal plant.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)	Harmful to aquatic life with long lasting effects. Harmful to aquatic life
OTHER INFORMATION	N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Caustic Soda	1310-73-2	50%-70%

4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE	Immediately call a POISON CENTER or doctor/physician.
EYE CONTACT	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
SKIN CONTACT	Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.
INHALATION	Remove person to fresh air and keep at rest in a position comfortable for



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breathing.
Immediately call poison center or doctor/ physician.

INGESTION Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1-2 glasses of water. Immediate medical attention is required.

POTENTIAL ACUTE HEALTH EFFECTS

Most important symptoms and effects, both acute and delayed

SYMPTOMS Causes severe skin burns and eye damage.

NOTES TO PHYSICIAN Treat symptomatically

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA None known. Non-flammable.

SPECIFIC HAZARDS ARISING FROM CHEMICAL Produces alkaline vapors in a fire.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved and equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS Use personal protective equipment as required. Spills may be slippery. Prior permitting may be required before any detergent chemicals can be put into city sewers. See Section 12 for additional Ecological Information. See Section 13, Disposal Considerations, for additional information.

ENVIRONMENTAL PRECAUTIONS

METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

CONTAMINATION Prevent further leakage or spillage if safe to do so.
CLEAN-UP Sweep up and reclaim for use or flush to sewer.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapor/spray. Do not eat, drink, or smoke when using this product. Use personal protection recommended in Section 8.

CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)



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STORAGE CONDITIONS Keep containers tightly closed in a dry, cool, and well-ventilated place. Store locked up. Protect from freezing. Do not store at temperatures above 120° F. Do not mix with other chemicals.

INCOMPATIBLE MATERIALS Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Caustic Soda 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
ENGINEERING CONTROLS	Apply technical measures to comply with the occupational exposure limits.		

INDIVIDUAL PROTECTION MEASURES

EYE/FACE PROTECTION	Wear approved safety goggles.
SKIN/BODY PROTECTION	Wear rubber or neoprene gloves. Wear suitable protective clothing
RESPIRATORY PROTECTION	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.
GENERAL HYGIENE	Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPEARANCE	Liquid
COLOR	Light tan
ODOR	Not determined
ODOR THRESHOLD	Not determined
pH	9.7
MELTING POINT/FREEZING POINT	Not determined
BOILING POINT/BOILING RANGE	Not determined
FLASH POINT	Non-Flammable
EVAPORATION RATE	Not determined
FLAMMABILITY (SOLID, GAS)	Liquid-not applicable
UPPER FLAMMABILITY LIMITS	Not determined
LOWER FLAMMABILITY LIMITS	Not determined
VAPOR PRESSURE	Not determined
SPECIFIC GRAVITY	1.37
RELATIVE DENSITY	Not determined
WATER SOLUBILITY	Completely miscible
PARTITION COEFFICIENT	Not determined
N-OCTANOL/ WATER	Not determined
AUTO-IGNITION TEMPERATURE	Not determined
DECOMPOSITION TEMPERATURE	Not determined
VISCOSITY	Not determined

10. STABILITY AND REACTIVITY

REACTIVITY	Not reactive under normal conditions
CHEMICAL STABILITY	Stable under recommended storage conditions
POSSIBILITY OF HAZARDOUS REACTIONS	None under normal processing
CONDITIONS TO AVOID	Keep out of reach of children
INCOMPATIBLE MATERIALS	Strong acids
HAZARDOUS DECOMPOSITION PRODUCTS	Produces alkaline vapors in a fire.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

EYE CONTACT	Causes severe eye damage.
SKIN CONTACT	Causes severe skin burns.
INHALATION	Avoid breathing vapors or mists.
INGESTION	Do not taste or swallow.

COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Water			
Caustic Soda 1310-73-2	-	= 1350 mg/kg (Rabbit)	-

SYMPTOMS Please see section 4 of this SDS for symptoms.

CARCINOGENICITY This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

NUMERICAL MEASURES OF TOXICITY-PRODUCT Not determined.

THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT

ATEMIX (ORAL)	1281 MG/KG
ATEMIX (DERMAL)	27049 MG/KG

12. ECOLOGICAL INFORMATION

ECOTOXICITY Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

CHEMICAL NAME	ALGAE/ AQUATIC PLANTS	FISH	TOXIC TO MICROORGANISMS	CRUSTACEA
Caustic Soda 1310-73-2		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		

PERSISTENCE AND DEGRADABILITY Not determined

BIOACCUMULATION Not determined

MOBILITY Not determined

OTHER ADVERSE EFFECTS Not determined

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

WASTE DISPOSAL	Disposal should be in accordance with applicable regional, national and local laws and regulations.
CONTAMINATED PACKAGING	Disposal should be in accordance with applicable regional, national and local laws and regulations.

CHEMICAL NAME CALIFORNIA HAZARDOUS WASTE STATUS

Caustic Soda	Toxic
1310-73-2	Corrosive

14. TRANSPORT INFORMATION

NOTE: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ ID No	UN3266
Proper Shipping Name	Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide)
Hazard Class	8
Packing Group	II

IATA

UN/ ID No	UN3266
Proper Shipping Name	Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide)
Hazard Class	8
Packing Group	II

IMDG

UN/ ID No	UN3266
Proper Shipping Name	Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide)
Hazard Class	8
Packing Group	II

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

LEGEND

TSCA	United States Toxic Substances Control Act Section 8(B) Inventory
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing/Notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances
IECSC	China Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
PICCS	Philippines Inventory of Chemicals and Chemical Substances

U.S. FEDERAL REGULATIONS

SARA 313/312 HAZARD CATEGORIES

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372



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CLEAN WATER ACT (CWA)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CHEMICAL NAME	REPORTABLE QUANTITIES	TOXIC POLLUTANTS	PRIORITY POLLUTANTS	HAZARDOUS SUBSTANCES
Caustic Soda 1310-73-2 (<5)	1000 LBS			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

CHEMICAL NAME	HAZARDOUS SUBSTANCES RQ	CERCLA/SARA RQ	REPORTABLE QUANTITY (RQ)
Caustic Soda 1310-73-2 (<5)	1000 LBS		RQ 1000 lb final RQ RQ 454 kg final RQ

U.S. STATE REGULATIONS

CALIFORNIA STATE REGULATIONS

This product does not contain any Proposition 65 chemicals.

U.S. STATE RIGHT-TO-KNOW REGULATIONS

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Caustic Soda 1310-73-2	X	X	X

16. OTHER INFORMATION

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
	Not determined	Not determined	Not determined	Not determined

HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	Not determined	Not determined	Not determined	Not determined

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.

END OF SAFETY DATA SHEET