

MATERIAL SAFETY DATA SHEET

SECTION 1 MATERIAL NAME / IDENTIFIER

Eclipse3 Enforce WHMIS: D2B

Manufacturer's Name: CAPO INDUSTRIES LTD
Street Address: 1200 CORPORATE DRIVE
City: BURLINGTON, ONTARIO
Postal Code: L7L 5R6

Emergency Telephone: Canutec (613) 996-6666 (Collect)

Chemical Name: Not applicable
Chemical Family: Not applicable
Chemical Formula: Not applicable
Trade Name & Synonyms: Not applicable
Molecular Weight: Not applicable
Material Use: Chelating agent

SECTION 2 HAZARDS IDENTIFICATION

GHS classification: H316 Skin corrosion/irritation, Category 3
H319 Serious eye damage/ eye irritation, Category 2A
H335 Specific target organ toxicity, Single exposure, Respiratory tract irritation, Category 3

Symbol(s)



Signal Word

Warning

Hazard statements

Causes mild skin irritation and serious eye irritation. May cause respiratory tract irritation.

Precautionary statements

Avoid skin and eye contact. Wear gloves and safety glasses when handling. Wash hands thoroughly after use. If eye contact, flush eyes with copious amounts of water for 15 minutes. Avoid breathing in mists/fumes/vapours. If inhaled, remove person to fresh air and seek medical attention.

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SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
Sodium Salt of 1 Hydroxyethylidene-1.1-Diphosphonic Acid	29329-71-3	3 - 7

SECTION 4 FIRST AID MEASURES

Inhalation:	If mists are inhaled, remove to fresh air and seek medical attention
Skin Contact:	Wash hands thoroughly with soap and water for 15 minutes.
Eye Contact:	Flush eyes with copious amounts of water for 15 minutes. Seek medical attention if irritation persists.
Ingestion:	Do not induce vomiting. Drink 2 or 3 glasses of water to dilute material. Contact a physician immediately.
Note to physicians	None

SECTION 5 FIRE – FIGHTING MEASURES

Hazardous Combustion Products:	Oxides of carbon and phosphorus.
Unusual Fire or Explosion Hazards:	None known
Sensitivity to Mechanical Impact:	None
Rate of Burning:	Not applicable
Explosive Power:	Not applicable
Sensitivity to Static Discharge:	None
Fire Extinguishing Media:	Use media suitable to extinguish source of fire.
Instructions to the Fire Fighters:	Containers exposed to intense heat from fires should be cooled with water to prevent vapour pressure buildup which could result in container rupture. Do not allow runoff to enter waterways.
Fire Fighting Protective Equipment:	Wear full protective clothing and a self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Leak And Spill Procedure:	Prevent entry into sewers, drains, or waterways. Dike if needed. Soak up spill with synthetic or natural absorbent and sweep into a clean, dry and labelled container for disposal.
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SECTION 7

HANDLING AND STORAGE

HANDLING

Handling Practices: Avoid skin and eye contact. Wear gloves and safety glasses when handling. Wash hands thoroughly after use. Do not ingest. Avoid inhalation of chemical.

Ventilation Requirements: Use in a well ventilated area.

STORAGE

Ventilation Requirements: Store in a cool, dry area.

Storage Requirements: Keep away from acids, peroxides, metals, and easily ignitable materials. Keep containers closed when not in use.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Engineering Controls: Local exhaust ventilation to keep airborne contaminants below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Skin (Specify): Latex or rubber gloves if skin contact is likely.

Eye (Specify): Safety glasses/goggles if eye contact is likely.

Respiratory (Specify): None under normal conditions. Wear a NIOSH approved respirator if there isn't adequate ventilation.

Other (Specify): Eye wash and shower stations close to work area.

SECTION 9

PHYSICAL DATA FOR MATERIAL

Physical State: Gas Liquid X Solid

Odour & Appearance: Clear blue liquid, mild odour

Odour Threshold (ppm): Not applicable

Flammability: Yes No X

If Yes, Under Which Conditions?:

Auto Ignition Temperature (Celsius): Not applicable

Upper Explosion Limit (% By Volume): Not applicable

Lower Explosion Limit (% By Volume): Not applicable

Decomposition Temp (°C) Not applicable

Specific Gravity: 1.310 – 1.340

Viscosity: Not available

Vapour Pressure (mm): Not applicable

Vapour Density (Air-1): Not applicable

Flashpoint (°C) Not applicable

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Evaporation Rate Not applicable
Boiling Point (°C): 100°C
Freezing Point (°C): 0°C
Solubility In Water (20°C): Soluble
% Volatile (By Weight) 56%
PH: 4 - 6
Coefficient Of Water/Oil Distribution: Not applicable

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Yes No
If No, Under Which Conditions?:
Incompatibility To Other Substances: Yes No
If So, Which Ones: Cyanides
Conditions to Avoid: High temperatures.
Hazardous Decomposition Products: CO, CO₂, and oxides of phosphorus.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Inhalation: Severe irritation to respiratory tract if mists are inhaled.
Skin Contact: Product may irritate skin.
Eye Contact: Strong eye irritant and may cause burns.
Ingestion: Gastritis - stomach upset, nausea, and diarrhea.
CHRONIC HEALTH EFFECTS: None known
Other Health Effects: None known
LD 50 of Material (Specify Species and Routes): 2850 mg/kg, Oral (Rat), >5000 mg/kg, Dermal (Rabbit)
LC 50 of Material (Specify Species and Routes): Not available
Exposure (Limits): Not established
Irritancy of Material: Skin, eye and respiratory tract irritant.
Sensitization of Material: None known
Synergistic Materials: None known
Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity: None known

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SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity Not available

Environmental Fate

Biodegradability: Not available

Bioaccumulative Potential: Not available

Mobility In Soil: Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose absorbed materials in accordance with federal, provincial and local regulations.

Safe Handling of Residues: Clean up residual with absorbent material. Place in appropriate container and flush with water.

Disposal of Packaging: Dispose containers in accordance with federal, provincial and local regulations.

SECTION 14 TRANSPORTATION INFORMATION

CANADIAN TDG ACT SHIPPING DESCRIPTION:

Proper shipping name: Not regulated

Class: Not applicable

Packing group: Not applicable

UN: Not applicable

US DOT CLASSIFICATION (49CFR 172.101, 172.102)

Proper shipping name: Not regulated

Class: Not applicable

Packing group: Not applicable

UN: Not applicable

SECTION 15 REGULATORY INFORMATION

CANADA

WHMIS: D2B

CPR Compliance This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

USA Not available

INTERNATIONAL Not available

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SECTION 16

OTHER INFORMATION

Prepared By (Group, Department, Etc.): Quality Control Telephone: (905) 332-6626

Preparation Date: May 28, 2015

Date Revised: June 1, 2019

Additional Notes Or References:

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