

# 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.

# MATERIAL SAFETY DATA SHEET

## SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

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

## SECTION 4 FIRST AID MEASURES

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

## SECTION 5 FIRE – FIGHTING MEASURES

<b>Hazardous Combustion Products:</b>	Oxides of carbon and phosphorus.
<b>Unusual Fire or Explosion Hazards:</b>	None known
<b>Sensitivity to Mechanical Impact:</b>	None
<b>Rate of Burning:</b>	Not applicable
<b>Explosive Power:</b>	Not applicable
<b>Sensitivity to Static Discharge:</b>	None
<b>Fire Extinguishing Media:</b>	Use media suitable to extinguish source of fire.
<b>Instructions to the Fire Fighters:</b>	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.
<b>Fire Fighting Protective Equipment:</b>	Wear full protective clothing and a self-contained breathing apparatus.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

<b>Leak And Spill Procedure:</b>	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.
----------------------------------	---

# MATERIAL SAFETY DATA SHEET

## 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

# MATERIAL SAFETY DATA SHEET

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 X No  
If No, Under Which Conditions?:  
Incompatibility To Other Substances: Yes X No  
If So, Which Ones: Cyanides  
Conditions to Avoid: High temperatures.  
Hazardous Decomposition Products: CO, CO<sub>2</sub>, 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

# MATERIAL SAFETY DATA SHEET

## 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

# MATERIAL SAFETY DATA SHEET

## SECTION 16

## OTHER INFORMATION

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

Preparation Date:      January 1, 1996

Date Revised:      May 28, 2015

Additional Notes Or References:

While Capo Industries Ltd. believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which Capo Industries Ltd. assumes legal responsibility. They are offered solely for your consideration and verification. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, Provincial and local laws and regulations.