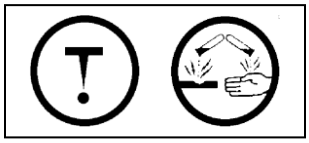
MATERIAL SAFETY DATA SHEET

SECTION 1 - COMPANY INFORMATION

Product identifier: ENVIROSOLVE
Product use: Industrial cleaner
Product Code Number: 231

WHMIS Classification: D2B, E



Supplier name and address:
Corporate Chemicals & Equipment
7 Neilson Street
St. Catharines, ON L2M 5V9
(905) 682-8888

Manufacturer's name and address
Refer to Supplier

Emergency Telephone# CANUTEC (613) 996-6666

SECTION 2 - HAZARDOUS INGREDIENTS

Ingredients	CAS#	% (weight)	LD_{50} mg/kg	LD_{50} mg/kg oral/rat	LC_{50} PPM skin/rabbit	inh/rat
Tetrasodium ethylene diamine tetraacetate	64-02-8	1-5	3030	>5000	n/av	
Ethozylated C12-15 alcohol	68131-39-5	7-13	>3200	>2000	n/av	
Sodium xylene sulfonate	1300-72-7	3-7	n/av			
Sodium Hydroxide (Lye, Caustic) rabbit's eye for 24 hrs. produced severe irritation. Corrosive.	1310-73-2	1-5	4000			

SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Routes of entry: Inhalation, ingestion, skin and eye contact.
Signs and symptoms of short-term (acute) exposure:
Inhalation: Strongly irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation, or if inhaled as a mist.
Skin contact: Dangerous in case of skin contact. Causes burns. Symptoms may be delayed.
Eye contact: Contact can result in tissue damage.
Ingestion: Harmful or fatal if swallowed.
Effects of long-term (chronic) exposure: See Section 11. Other important hazards: None reported.

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove victim to fresh air. If symptoms persist, call a physician.
Skin contact: Flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing. Call physician immediately. Wash contaminated clothing before reuse.
Eye contact: IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open.
Ingestion: Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: Not flammable.
Flash point (Method): Not applicable. °C (°F)
Lower flammable limit (% by volume): n/ap
Upper flammable limit (% by volume): n/ap
Explosion data: *Sensitivity to mechanical impact:* Not sensitive. *Sensitivity to static discharge: Not sensitive.*
Oxidizing properties: None.
Auto-ignition temperature: None.
Suitable extinguishing media: As appropriate for burning of surrounding products.
Special fire-fighting procedures/equipment: n/ap
Hazardous combustion products: n/ap

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear adequate personal protective equipment.
Environmental precautions: No special precautions required.
Spill response/Cleanup: Recover and reuse as much of the product as possible.
Prohibited materials: None known.

SECTION 7 - HANDLING AND STORAGE

Safe handling procedures: Avoid contact with skin, eyes and clothing. Wear proper protective equipment, including rubber gloves.
Storage requirements: Store in a cool, dry area. Keep away from incompatible materials, (see Sect. 10)
Special packaging materials: Plastic containers.

SECTION 8 - EXPOSURE CONTROLS & PROTECTIVE EQUIPMENT

Ventilation and engineering controls: Mechanic ventilation should be adequate.
Respiratory protection: Normally not required.
Protective gloves: Rubber.
Eye protection: Safety glasses, or chemical goggles.
Other protective equipment: As required by workplace standards.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical form, colour and odour: Clear bright orange liquid. Citrus odour
Odour threshold: n/av
pH: 12.5-13.5
Boiling point: n/av
Melting/freezing point: n/av
Vapour pressure: n/av
Solubility in water: Very soluble.
Coefficient of oil/water distribution: Essentially zero.
Specific gravity or relative density (water=1): 1.06
Vapour density: n/ap
Volatile organic compounds (VOC's): n/ap
Evaporation rate: n/av
Percent Volatile by Weight: n/av

SECTION 10 - REACTIVITY & STABILITY DATA

Stability and reactivity: Normally stable.
Conditions to avoid: Keep containers tightly closed, when not in use.
Materials to avoid: Strong acids and reactive metals.
Hazardous decomposition products: Oxides of carbon.

SECTION 11 - TOXICOLOGICAL INFORMATION

LD50: Not established for this product. See Section 2 for values for ingredients.
LC50: Not established for this product. See Section 2 for values for ingredients.
Exposure limits: ACGIH-TLV – Not established.
Carcinogenicity: None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogen.
Teratogenicity, mutagenicity, other reproductive effects: There is no human or animal information available on teratogenicity, reproductive toxicity, or mutagenicity.
Sensitization to material: Not reported.
Conditions aggravated by exposure: Skin conditions.
Synergistic materials: None known.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects: Strongly alkaline. May cause damage to aquatic life.

SECTION 13 - WASTE DISPOSAL

Handling for disposal: Reuse if possible.
Methods of disposal: Use only licensed waste disposal services. Follow local, provincial, state and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Shipping description: TDG-Corrosive Liquid, Basic, Organic, N.O.S., (Tetrasodium EDTA), Class 8, UN3267, PG111

Please note: This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

SECTION 15 - REGULATORY INFORMATION

WHMIS information: E
This product has been classified in accordance with the hazard criteria o f the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

SECTION 16 - OTHER INFORMATION

Prepared by: Technical Services
Telephone number: (905) 682-8888

Preparation date: May 11, 2011

References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2001
2. International Agency for Research on Cancer Monographs, Supplement 7, 1988
3. Canadian Centre for Occupational Health and Safety. CHEMINFO database.
4. Material Safety Data Sheets from raw materials suppliers.
5. N. Irving Sax. Dangerous Properties of Industrial Materials, Seventh Edition.

n/ap Not applicable
n/av Not available

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