

MATERIAL SAFETY DATA SHEET

Electrolyte for Galvanic Oxygen Probe EC DO TPII-S (01X211240 / ECDOTPIISOLNBT)

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PRODUCT IDENTIFICATION

Product Name:	Electrolyte for Galvanic Oxygen Probe EC DO TPII-S
Common Synonyms:	Nil
Product Use:	Laboratory and Industrial Reagent
Eutech SAF-T-Data System:	Health = 2, Flammability = 0, Reactivity = 0 , Contact = 0

INGREDIENTS

CAS NO:	497-19-8
% of Na ₂ CO ₃ :	8 %
% of water:	92 %
OSHA/PEL:	none
ACGIH/TLV:	none
LD50(mg/kg) oral-rat of Na ₂ CO ₃ :	4090 mg/kg

PHYSICAL AND CHEMICAL DATA

Appearance & Odor:	Liquid & Odorless
Colour	Colorless
Boiling Point:	Near 100 °C
Vapour Pressure (mmHg):	The highest known value is 2.3 kPa (@20 ^o C) (water)
Melting Point:	NA
Specific Gravity	Weighted average: 1.06 (Water = 1)
Solubility:	NA
pH:	Basic
Solubility in water (T=20 °C):	Soluble
Evaporation Rate:	NA

FIRE AND EXPLOSION DATA

Flash Point (Close Cup):	NA
Auto ignition Temperature:	NA
Flammable Limits:	Upper, NA Lower, NA
Suitable Extinguishing Media:	To suit Environment
Special Risk :	Non- combustible.
Unusual Fire and Explosion Hazards:	None
Toxic Gases produced:	None
Explosion data-sensitivity to mechanical impact:	None identified.
Explosion data-sensitivity to static discharge:	None identified.
Special Remarks on Explosion Hazards	Reacts explosively with red-hot aluminum metal. Sodium Carbonate + ammonia in Arabic gum solution will explode.

TOXICOLOGICAL INFORMATION

Routes to Entry	Absorbed through skin. Eye contact
Other notes:	No toxic effects are to be expected when the product is handled appropriately.
Ecological information	No ecological problems are to be expected when the product is handled and used with due care and attention.

EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapors below their respective threshold limit value
Personal Protection	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product
Exposure Limit	Not available

STABILITY AND REACTIVITY DATA

Substances to be avoided	Slightly reactive with acids
Conditions to be avoided:	Hygroscopic . When combines with water with evolution of heat
Hazardous Decomposition products:	No information Available

FIRST-AID PROCEDURES MEASURES

After Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
After Ingestion :	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately
After Skin contact:	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing

	and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
After Eye contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

DISPOSAL CONSIDERATION

Product:	Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.
Packaging:	Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation

STORAGE AND HANDLING PRECAUTIONS

Handling:	Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
Storage requirements:	Keep container tightly closed. Keep container in a cool, well-ventilated area.

TRANSPORTATION DATA AND ADDITIONAL INFORMATION

Domestic (D.O.T.)

Proper shipping name:	Chemicals, N.O.S. (non-regulated)
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International (I.M.O.)

Proper shipping name:	Chemicals, N.O.S. (non-regulated)
Marine pollutants:	Alkaline

Air (I.C.A.O.)

Proper shipping name:	Chemicals, N.O.S. (non-regulated)
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