

**MATERIAL SAFETY DATA SHEET**

**FSDOSOLN  
(DO Zero Solution)**

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**EUTECH INSTRUMENTS PTE LTD.**

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**GENERAL INFORMATION**

MANUFACTURE'S NAME:	Eutech Instrument PTE LTD
DISTRIBUTED BY:	Eutech Instrument PTE LTD
CHEMICAL FAMILY:	Inorganic Salt Solution
Chemical Formula:	Complex
Synonyms:	Na
CAS NO:	7757-83-7,

**SAFETY**

For laboratory and industrial use only. Not for internal consumption. Avoid contact with eyes and skin

Component A: Sodium sulfite	
CAS NO:	7757-83-7
WEIGHT:	<1.0 %
OSHA/PEL:	NE
ACGIH/TLV:	NE
LD50(mg/kg) oral-rat of Sodium sulfite:	3560
Component B: Cobalt Nitrate	
CAS NO:	10026-22-9
WEIGHT:	1.0 %
OSHA/PEL:	NE
ACGIH/TLV:	NE
LD50(mg/kg) oral-rat of Cobalt Nitrate:	691

**PHYSICAL AND REACTIVITY DATA**

Appearance & Odor:	reddish, odorless
Stability:	Stable under ordinary conditions of use and storage. Heat and moisture contribute to instability. May air-oxidize.
Hazardous polymerization;	Will not occur
Incompatibilities:	Strong acid, strong oxidizers, high temperature
Condition to avoid:	Heat and moisture
Hazardous Decomposition Products:	Burning may produce sulfur oxides.

**FIRE AND EXPLOSION HAZARD DATA**

Fire:	Not considered to be fire hazard. If involved in a fire, can emit toxic fumes and irritating and corrosive gases.
Explosion :	Not considered to be an explosion hazard.
Fire Extinguishing Media:	Use any means suitable for extinguishing surrounding fire.
Special information::	In the event of fire, wear NIOSH/MSHA approved breathing apparatus, resistant clothing, hat. Boots and gloves.

**HEALTH HAZARD DATA**

Ingestion :	May cause gastric irritation by the liberation of sulfurous acid. Large doses may result in circulatory disturbances, diarrhea, and central nervous system depression.
Inhalation:	Inhalation of dust may cause irritation to the mucous membranes of the upper respiratory tract. Use of bronchodilators preserved with sulfites can cause allergic reactions.
Skin contact:	May cause irritation.
Eye contact;	May cause irritation, redness and pain.
Aggravation of Pre-existing Conditions:	Some individuals are said to be dangerously sensitive to minute amounts of sulfites in foods and some bronchodilator medicines preserved with sulfites. Symptoms may include broncho constriction , shock, gastrointestinal disturbances , angio edema, flushing, and tingling sensations.

**FIRST AID MEASURES**

Inhalation :	Remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion:	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damages, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth to mouth resuscitation. Seek immediate medical attention.
Skin contact:	Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes and cover the contaminated skin with an anti-bacterial cream. Get medical attention if irritation develops or persists.
Eye contact:	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

**DISPOSAL PROCEDURES**

Steps to be taken :	Whatever can not be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
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**STORAGE AND HANDLING PRECAUTIONS**

Storage requirements:	Keep in tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, combustible material, moisture and incompatibilities. Containers of this material may be hazardous when empty since they retain product residues ( dust, solids) .
Other precautions:	none

**TRANSPORTATION DATA AND ADDITIONAL INFORMATION**

**Domestic (D.O.T.)**

Proper shipping name:	non-regulated
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**International (I.M.O.)**

Proper shipping name:	non-regulated
Marine pollutants:	Acid

**Air (I.C.A.O.)**

Proper shipping name:	non-regulated
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