
	EAST COAST ORGANICS PRIVATE LIMITED 237/2, Vellivoyal Chavadi, Chennai – 600 103 Tamilnadu, India,	DOC No : ECO/QC/TDS/002
		Issue Date : 01.10.2020
	TECHNICAL DATA SHEET	Rev No : 01
		Effective Date : 03.10.2020
MONOSULFIRAM - IP		

Name of the Drug	:	Monosulfiram - IP
Chemical Name	:	Tetra Ethyl Thiuram Monosulphide
CAS No	:	95-05-06
Molecular weight	:	264.5 g/mol
Molecular formula	:	C ₁₀ H ₂₀ N ₂ S ₃

Product Specification		
S.No	Test	Specification
1	Description	A yellow or yellowish Brown liquid. Odour sulphurous .
2	Identification	a) Light Absorption in the Range 230 to 350 nm of 0.002 % w/v In Methanol exhibits a well defined Maximum only at 281nm. The absorption at 281nm is About 1.3
		b) Dissolve 0.1 gm in a mixture of 0.15 ml of a 1 % w/v Solution of copper II sulphate And 5 ml of ethanol (96 %), Evaporate on a water bath and Dissolve the residue in Chloroform. A deep yellowish Brown colour is produce.
		c) Boil 0.1 g with 2M hydrochloric acid. Fumes are Evolved which turn lead Acetate paper black.
3	Related substances	Any secondary spot corresponding to Disulfiram is not more intense than the spot with the solution _2 and any secondary spot not more than the solution_3.
4	Freezing point	28.5-32.0°C
5	Water	Not more than 1.0 % w/w
6	Sulphated Ash	Not more than 0.1% w/w
7	Assay By Titration (on anhydrous basis)	98.0-101.0 %

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Product Information	
Solubility	Soluble in Acetone ,Toluene, Benzene, Carbon disulfide and Chloroform ; insoluble in water
Toxicity data	Dust may be irritating to the respiratory tract and cause symptoms of bronchitis. Harmful if swallowed. Repeat contact may cause skin sensitization. Toxic to aquatic organisms. Oral LD50/rat : 750 mg/kg
Handling and Personal Protection	Avoid breathing dust. Avoid contact with skin and eyes. Ensure good ventilation and local exhaustion of the working area. Wear suitable respiratory equipment, gloves with long cuffs, suitable protective clothing, Safety goggles recommended.
Storage	Should be a temperature of 20°C to 30°C and protected from light

Packaging	
HDPE Barrel / Carbouy	Packed HDPE carbouys
Shelf Life	24 Months

Quality Assurance Manager

J,Kalimuthu - QA /QC