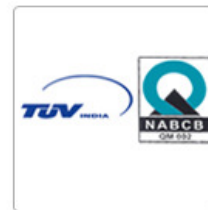




EAST COAST ORGANICS PRIVATE LIMITED

Regd. Office & Factory : 237/2, Vellivoyal Chavadi,
Chennai – 600 103. India.



MATERIAL SAFETY DATA SHEET

SODIUM DIMETHYL DITHIO CARBAMATE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SDMDC 40% Solution
Company Identification: 237/2, Vellivoyal Chavadi
Chennai – 600 103. Tamilnadu
Office Telephone No: 044 64606747

2. COMPOSITION / INDORMATION OF INGREDIENTS

Chemical description: Sodium Dimethyl Dithio Carbamate

CHEMICAL NAME	CAS NO.	EINECS NO.	WT%
Sodium Dimethyl Dithio Carbamate	128-04-1	204-876-7	39-41
Water	7732-18-5	-	59-61

3. HAZARD IDENTIFICATION

Classification of the substance or mixture :

Classification according to EU directives 67/548/EEC or 1999/45/EC REGULATION (EC) No. 1272/2008

R22, R36, R50, N

Classification of the substance or mixture

Acute toxicity, oral Cat.4, Serious eye damage / eye irritation Cat.2 A; Hazardous to the aquatic environment, acute hazard Cat 1

Label elements :

Hazard Statements

H302 Harmful if swallowed
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life

Precautionary Statements Prevention

P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves / protective clothing / eye protection/face protection
P273 Avoid release to the environment

Precautionary Statements Response

P330: Rinse mouth



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Precautionary Statements - storage

Precautionary Statements - Disposal

P301+P312: IF SWALLOWED : call a POISON CENTER or doctor / physician IF you feel unwell
P337+P313; IF eye irritation persists: Get medical advice / attention
P305+P351+P338; IF IN EYES : Rinse cautiously with water for several minutes. Remove contact Lenses, if present and easy to do. Continue rinsing.
P391: Collect spillage. Hazardous to the aquatic environment
P402: Store in a dry place.
P404: Store in a closed container.
P403+P235: Store in a well-ventilated place. Keep cool.
P501 Dispose of contents /container to an approved waste disposal plant

4. FIRST AID MEASURES

General Advice:

If symptoms persist, call a physician. Show this material safety data sheet to the Doctor in attendance. Treat symptomatically. In case of allergic reaction after exposure, any future exposure must be avoided.

Inhalation

If breathed in, move person in to fresh air. If not breathing, give artificial respiration. Consult a physician if respiratory irritation or distress continues.

Skin Contact :

In case of contact, immediately wash with plenty of soap and water Seek medical attention.

Eye Contact :

Rinse immediately as long as a possible with plenty of water. Seek medical advice if irritation persists.

Ingestion :

If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

Most important symptoms and effects, both acute and delayed

Nausea, Vomiting, Diarrhea, To the best of our knowledge, the chemical, physical, and toxicological Properties have not been thoroughly investigated

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:

Carbon oxides, nitrogen oxides(NOx), Sulphur oxides, Sodium oxides

Protective Equipment and Precautions for Firefighters

Fire fighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective Clothing.



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Environmental precautions:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the Environment must be avoided

Methods and material for containment and cleaning up:

Stop leakage if possible. Collect as much as possible in a clean container for (preferable) reuse or disposal. Cover the remainder with inert absorbent (e.g.vermiculite) for disposal

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid breathing vapors and mists. Avoid direct prolonged contact with skin and eyes. The usual precautions for handling chemicals should be observed

Conditions for safe storage, including any incompatibilities & Storage:

Store in a dry and cool place (20-25°C). Keep container tightly closed.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters
Exposure controls

Components with work place control parameters
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and At the end of workday

Engineering Controls:
Personal Protective Equipment:
Eye/face Protection :

Face shield and safety glasses Use equipment for eye protection tested and Approved under appropriate government standards such as NIOSH(US)orEN166(EU).
Skin contact should be minimized through use of gloves and suitable long-sleeved clothing. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

Skin Protection :

Body Protection :

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Environmental exposure controls:

Prevent further leakage or spillage if safe to do so. Do not let Product enter drains. Discharge in to the environment must be avoided.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Light yellow
Odour:	Amine like
pH-value:	9.0-10.0
Flash point :	No data available
Explosive propertive :	No data available
Flammability (solid, gas) :	No data available
Explosion Limits :	No data available
Vapour pressure :	approx. 2.2 kPa (20 °C)
Specific gravity :	1.1 0 -1.20 @ RT
Solubility :	Soluble in water
Partition coefficient :	No data available
Auto-ignition temperature :	No data available
Viscosity @25°C :	No data available
Oxidizing properties :	No data available

10. STABILITY AND REACTIVITY

Reactivity	See In compatible Materials
Chemical stability	Stable under recommended storage and handling conditions (Seesection7)
Possibility of hazardous reactions	No data available
Conditions to avoid	Avoid temperature above30°C
Incompatible materials:	Oxidizing agents & strong Acids
Hazardous decomposition products :	
Thermal decomposition :	Carbon disulfide and Amine

11. TOXICOLOGICAL INFORMATION

Acute toxicity: (LD50/oral/rat)	5150 mg/ kg (Aqueoussolution,40%)
Acute dermal toxicity(LD50/dermal/rat)	>5000mg/ kg (Aqueoussolution,40%)
Inhalation :	No data available
Skin irritation / sensitisation	Slightly irritating to skin but not sufficient for classification. Not sensitizing
Reproductive toxicity :	No data available
Eye irritation	Irritating to eye
Germ cell mutagenicity :	No data available
Carcinogenicity :	No data available

12. ECOLOGICAL INFORMATION



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Eco toxicity :	
Fish	96h-LC50(On corhynchusmykiss,OECD203):0.76mg/l. 96h-LC50(Poeciliareticulata):2.6mg/l(Lit.)
Daphnia	48h-EC50(Daphniamagna,OECD202):0.67mg/l
Algae	96 h-IC50 (Raphidocelissubcapitata, OECD201) : 0.19 -0.26 mg/l . 96h-IC50(Chlorelapyrenoidosa):0.8mg/l(Lit.).
Mobility in soil	No data available
Persistence and degradability:	No data available
Bio accumulative potential:	No data available
Results of PBT and vPvB assessment :	No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal methods

Product:

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.

Contaminated Packing

Clean and Dispose of as unused product

14. TRANSPORT INFORMATION

Road transport (ADR/RID/ADN)

ADR/RID Class	9
UN-No	3082
Packing Group	III
Hazard Label	Hazardous for the environment
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Sea transport (IMDG)

ADR/RID Class	9
UN-No	3082
Packing Group	III
Marine pollutant	Yes
Hazard Label	Hazardous for the environment
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Air transport (ICAO-TI/IATA)

ADR/RID Class	9
UN-No	3082



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Packing Group
Proper Shipping Name

III
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.

15. REGULATORY INFORMATION

Safety, health and environmental
regulations/legislation specific for the
substance or mixture
Chemical safety assessment:

Regulation 1907/2006 REGULATION (EC) No 1272/2008
Classification according to EU directives 67/548/ EEC or
1999/45/EC

For this product a chemical safety assessment was not
carried out

16. OTHER INFORMATION

Emergency seek Medical Aid