



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : M41471
Product Name : **METHYL ORANGE SOLUTION**

Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : 4-Dimethlyaminoazobenzene-4'-sulfonic acid sodium salt

CAS-No : 547-58-0 Ec-Index No. : -----
Molar Mass: 327.34 EC-No. : 208-925-3
Molecular Formula : $C_{14}H_{14} N_3 Na O_3 S$

3. HAZARDS IDENTIFICATION : Toxic if swallowed.

4. FIRST AID MEASURES : After inhalation : fresh air.
After skin contact : wash off with plenty
of water . Remove contaminated clothing
After eye contact : rinse out with plenty of water
With eyelids held open.
After swallowing : make victim drink plenty
of water , Induce vomiting , summon doctor

5. FIRE – FIGHTING MEASURES : Suitable extinguishing media : water,
foam.



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Special risks : Combustible. Development of hazardous combustion Gases or vapours possible in the event of fire. The following may develop in the event of fire : nitrogen oxides, sulphur oxides

Other Information : Contain escaping vapours with water.
Prevent fire-fighting water from entering surface water or ground water.

Special protective equipment for fire fighting : Do not stay in dangerous zone without suitable. Chemical protection clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

person related precautionary measures : Avoid substance contact,
do not inhale dusts.

Procedures for cleaning / absorption : Take up dry. Forward for disposal. Clean up affected area.

Environmental protection measures:
Do not allow entering sewage system. Risk of explosion.

7. HANDLING AND STORAGE : Handling : No further requirements.

Storage : Tightly closed. Dry. In a well ventilated place.
At +5°C to +30°C. Accessible only for authorised persons .



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated.

Eye protection : required

Hand protection : required.

Protective clothing should be selected for the working place depending on concentration and quantity of the hazardous substance handled.

The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Change contaminated clothing. Application of skin protective barrier cream recommended. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid
Colour	:	Orange red
Odour	:	Odourless
Melting temperature	:	Not available
Boiling temperature	:	Not available
PHvalue at 5g/l H ₂ O(20 ⁰ C)	:	Near 6
Ignition temperature	:	Not available
Flash point	:	Not available
Explosion limits lower	:	Not available
Upper	:	Not available
Relative vapour density	:	Not available
Density (20 ⁰ C)	:	1.00 gm/cm ³
Solubility in water (20 ⁰ C)	:	Soluble



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10. STABILITY AND REACTIVITY

Conditions to be avoided : no information available.

Substance to be avoided: no information available.

Hazardous decomposition products :
no information available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD₅₀(oral,rat):60 mg/kg

Further toxicological information

Property that cannot be excluded on the basis
of structure effect considerations:

After eye contact: irritations ,risk of blindness

After swallowing: We have no description of any toxic
symptoms.

The following applies to azo dyes in general: Azo dyes
containing a carcinogenic aryl amine component are
suspected of possessing a carcinogenic potential.

It is therefore recommended that the substance be
handled as if it possessed the properties of the basic
amine. Further hazardous properties cannot be excluded.

12. ECOLOGICAL INFORMATION

Ecotoxic effects : Quantitative data on the ecological effect of this
product are not available.



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Further ecological data : Do not allow to enter waters, waste water, or soil

13. DISPOSAL METHOD : There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste .
Disposal in compliance with official regulations. Handle contaminated packaging as in the same way as the substance itself . If not officially specified differently , non-contaminated packaging may be treated like household waste or recycled .

14. TRANSPORT INFORMATION
Not subject to transport regulations.

15. REGULATORY INFORMATION

Labeling according to EC Directives

Symbol : -----

R-phrases : -----

S-phrases : -----

Water pollution class : -

16. OTHER INFORMATION

Reason for alteration

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.