



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : M 30467
Product Name : MALACHITE GREEN

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 Tele fax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : MALACHITE GREEN (OXALATE)(C.I.42000)GR and for microbiology

CAS-No : 2437-29-8 Ec-Index No. : 607-007-00-3
Molar Mass : 927.02 EC-No. : 219-441-7
Molecular Formula : $C_{48}H_{50}N_4O_4 \cdot 2C_2H_2O_4$

3. HAZARDS IDENTIFICATION : Harmful in contact with skin and if swallowed.

4. FIRST AID MEASURES : After skin contact : Wash off with plenty of water.
Remove contaminated clothing.

After eye contact : Rinse out with plenty of water with the eyelid held
wide open. Summon eye specialist.

After inhalation : Fresh air.

After swallowing : Make victim drink plenty of water, induce vomiting,
Summon doctor.

5. FIRE-FIGHTING MEASURES : Suitable extinguishing media: Water, CO₂, foam, powder
Special risks : Combustible



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6. ACCIDENTAL RELEASE MEASURES

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

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

8. EXPOSURE CONTROLS/PERSONAL : Respiratory protection : Required when dusts are generated

PROTECTION Eye Protection : Required

Hand Protection : Required

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

9. PHYSICAL & CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	Green
Odour	:	Weak characteristic odour
pH value at 50 g/l H ₂ O (24° C)	:	2.4
Melting temperature	:	Near 159° C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash Point	:	Not available
Explosion limit lower	:	Not available
upper	:	Not available
Relative vapour density	:	Not available
Density	:	Not available
Bulk density	:	Near 400 - 500 Kg/m ³
Solubility in Water (24° C)	:	110 gm/l.
Ethanol (24° C)	:	60 gm/l.



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10. STABILITY & REACTIVITY

Conditions to be avoided : Strong heating

Substances to be avoided : No information available.

Hazardous decomposition products : No information available.

Further information : Dust explosion possible.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : The literature data available to us do not conform with the labeling prescribed by the EC. The EC has dossiers which have not been published.

Further toxicological information :

After inhalation of dust : Irritation symptoms in the respiratory tract.

After skin contact : Irritations.

After eye contact : Irritations. Risk of serious damage to eyes.

After swallowing : Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

Further hazardous properties cannot be excluded.

Further data :

The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

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

Do not allow to enter water, waste water, or soil !



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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 & regulations. We recommend that you contact either the authorities in charge/approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal in compliance with official regulations. Handle contaminated packaging 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

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class : 6.1 Number and letter : 25c
ADR/RID class : 6.1 Number and letter : 25c
Name of material : MALACHITGRUEN OXALAT

Sea Transport IMDG : IMDG class : 6.1 UN No. : 2811 Packing group : III
Ems : 6.1 - 04 MFAG : 4.2
Correct Technical Name : MALACHITE GREEN OXALATE

Air Transport ICAO-TI

and IATA-DGR : ICAO/IATA class : 6.1 UN No. : 2811
Packaging group III
Correct Technical Name : MALACHITE GREEN OXALATE

15. REGULATORY INFORMATION



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Labeling according to EC Directives

Symbol : Xn Harmful
R-phrases : 21/22 Harmful In contact with skin and if swallowed.

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S-phrases : 24/25 Avoid contact with skin and eyes.

EC-No. : 219-441-7 EC label

Water pollution class : 3 (highly polluting substance) (own classification)

16. OTHER INFORMATION

Reason for alteration

Change in the chapter on toxicology.

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.
