



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : C33971  
Product Name : CRYSTAL VIOLET OXALATED

### 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

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Methyl Violet, Methyl rosaniline  
CAS-No : 548-62-9 Ec-Index No. :  
Molar Mass : EC-No. : 208-953-6  
Molecular formula :

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## 3. HAZARDS INDEX

Harmful if swallowed. Possible risks of irreversible effects. Risk of serious damage to eyes.  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## 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 the eyelid held wide open. Summon eye specialist.



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

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### **5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water, CO<sub>2</sub>, foam, powder

Special risks: Combustible. Formation of hazardous combustion gases or vapours possible in the event of fire. The following may develop in event of fire : hydrochloric acid, chlorine, nitrous gases.

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

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

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### **6. ACCIDENTAL RELEASE MEASURES**

Person-related precautionary measures : Avoid substance contact. Avoid generation of dusts. Avoid inhalation of dusts in all circumstances.

Environmental protection measures : Do not allow to enter sewerage system.

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

Clean up affected area.

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### **7. HANDLING AND STORAGE** Handling - No further requirements.

Storage : Tightly closed. Dry. At +5° C to +30° C.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.

Eye Protection : Required

Hand Protection : Required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Other protective equipment : Suitable protective clothing

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

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid  
Colour : Bluish violet  
Odour : Characteristic  
pH value at 10 g/l H<sub>2</sub>O (25° C) : -  
Melting temperature : Not available  
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 380 Kg/m<sup>3</sup>  
Solubility in Water (25° C) : -  
Ether (25° C) : Insoluble

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available  
Substances to be avoided : No information available  
Hazardous decomposition products : No information available

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD<sub>50</sub> (oral,rat) : 400 - 680 mg/kg  
After eye contact : Risk of permanent damage due to staining of the cornes.  
Skin irritation test (rabbit) : moderate irritant effect.  
Further toxicological information :  
After swallowing : nauses, vomiting, diarrhoes.  
Further data : The results of the long-term studies available suggest that exposure to crystal violet/gentian violet may lead to irreversible damage. The positive in-vitro genetic toxicity findings also point in a negative direction. However, the data available do not suffice to classify the dye as carcinogenic in humans.

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### 12. ECOLOGICAL INFORMATION

Biologic degradation : Elimination : < 10 Gew %  
Ecotoxic effects : Fish toxicity : S.gairdneri LC<sub>50</sub> : 0.7 mg/lt./96 h  
Further ecologic data : BOD : 0.12 Gew %. COD : 163.9 Gew %  
Do not allow to enter waters, 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 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 in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

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### 14. TRANSPORT INFORMATION

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class : 9 Number and letter : 12c

ADR/RID class : 9 Number and letter : 12c

Name of material : CRYSTAL VIOLET OXALATED

Sea Transport IMDG : IMDG class : ---- UN No. : ---- Packing group : ----

Ems : MFAG :

Correct Technical Name : CRYSTAL VIOLET OXALATED

Air Transport ICAO-TI

and IATA-DGR : ICAO/IATA class : 9 UN No. : 3077

Packaging group III

Correct Technical Name : CRYSTAL VIOLET OXALATED

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### 15. REGULATORY INFORMATION

Labeling according to EC Directives

Symbol : Xn Harmful  
N Dangerous for the environment

R-phrases : 27-40-41-50/53 Harmful if swallowed. Possible risks of irreversible effects. Risk of serious damage to eyes. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases : 22-26-36/37/39-61 Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing gloves and eye/ face protection. Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Water pollution class : 2 (polluting substance) (provisional classification)

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### 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.

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