

**GENTIAN VIOLET AR** 

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Product Code : 23360

1. Identification of the substance/mixture and of the company/undertaking **1.1. Product identifier Trade name** : GENTIAN VIOLET AR **Product code** : Gentian Violet(Crystal violet, Hexamethylpararosaniline chloride) **Identification of the product** : 23360 CAS No : 548-62-9 1.2. Relevant identified uses of the substance or mixture and uses advised against Use : Industrial. For professional use only. **1.3.** Details of the supplier of the safety data sheet **Company identification** : MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email: info@molychem.net Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503. **1.4. Emergency telephone number** Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm). 2. Hazards identification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Acute toxicity (oral), H302 Category 4 Serious eye damage/eye irritation, H318 Category 1 Carcinogenicity, H351 Category 2 Hazardous to the aquatic environment — Chronic Hazard, H410 Category 1 Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] Adverse physicochemical, human health and environmental effects No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to displayExtra classification(s) to display **Symbol**(s) : T : Very toxic N : Dangerous for the environment

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**R Phrase**(**s**) : R22: Harmful if swallowed.

R40: Possible risk of very serious irreversible effects.

R41: Risk of serious damage to eyes.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

**S Phrase**(**s**) : S22: Do not breath dust.

S26: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advise.

S61: Avoid release to the environment . refer to special instruction/safety data sheets. S36/37/39 : Wear suitable protective clothing and gloves & eye/face protecting.

#### Hazard pictograms



Signal word : Danger

Hazard statements : H302 - Harmful if swallowed.

H318 - Causes serious eye damage.

H351 - Suspected of causing cancer.

H410 - Very toxic to aquatic life with long lasting effects.

**Precautionary statements** : P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 3. Composition/information on ingredients

3.1. Substances : GENTIAN VIOLET AR

CAS-No.: 548-62-9

Substance.

Contains no other components or impurities which will influence the classification of the product.

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#### 4. First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact : Wash with plenty of water/.... Wash contaminated clothing before reuse. Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye damage.

Symptoms/effects after ingestion : Harmful if swallowed.

Chronic symptoms : Suspected carcinogen.

**4.3. Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

### 5. Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray. Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### **5.3. Advice for firefighters**

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Ventilate area.

**6.2. Environmental precautions** 

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Very toxic to aquatic life with long lasting effects.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

### 6.4. Reference to other sections

No additional information available

## 7. Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Use only outdoors or in a well-ventilated area. Do not breathe vapours.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a well-ventilated place. 7.3 Specific and use(a)

### 7.3. Specific end use(s)

No additional information available

## 8. Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Hand protection : Protective gloves Eye protection : Chemical goggles or safety glasses Skin and body protection : Wear suitable protective clothing Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

## 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

**Odour threshold** : No data available

**pH** : No data available

**Relative evaporation rate (butylacetate=1) :** No data available

**Melting point** : 173 °C

Freezing point : No data available

**Boiling point** : No data available

Flash point : No data available

Auto-ignition temperature : No data available

**Decomposition temperature** : No data available

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Flammability (solid, gas) : No data available		
Vapour pressure : No data available		
Relative vapour density at 20 °C : No data available		
Relative density : No data available		
Solubility : Water: Soluble in water		
Log Pow : No data available		
Viscosity, kinematic : No data available		
Viscosity, dynamic : No data available		
Explosive properties : No data available		
Oxidising properties : No data available		
Explosive limits : No data available		
9.2. Other information		
No additional information available		
<b>10.</b> Stability and reactivity		
10.1. Reactivity		
No additional information available		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reactions		
No additional information available		
10.4. Conditions to avoid		
Air contact. Direct sunlight. Moisture.		
<b>10.5. Incompatible materials</b>		
No additional information available		
10.6. Hazardous decomposition products		
No additional information available		
11. Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity : Oral: Harmful if swallowed.		
Skin corrosion/irritation : Not classified		
Serious eye damage/irritation : Causes serious eye damage.		
Respiratory or skin sensitisation : Not classified		
Germ cell mutagenicity : Not classified		
Carcinogenicity : Suspected of causing cancer.		
Reproductive toxicity : Not classified		
STOT-single exposure : Not classified		
STOT-repeated exposure : Not classified		

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Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Harmful if swallowed.

### **<u>12. Ecological information</u>**

#### 12.1. Toxicity

Ecology - water : May cause long lasting harmful effects to aquatic life.

#### 12.2. Persistence and degradability

Persistence and degradability May cause long-term adverse effects in the environment.

#### **12.3. Bioaccumulative potential**

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### **12.6.** Other adverse effects

No additional information available

#### **<u>13. Disposal considerations</u>**

#### **13.1.** Waste treatment methods

Product/Packaging disposal

Recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 14 . Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. (ADR) : 3077 UN-No. (IMDG) : 3077 UN-No. (IATA) : 3077 UN-No. (ADN) : 3077 UN-No. (ADN) : 3077 **14.2. UN proper shipping name** Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

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Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s. Proper Shipping Name (ADN) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. Proper Shipping Name (RID) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. Transport document description (ADR): UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, (-) Transport document description (IMDG) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, MARINE POLLUTANT Transport document description (IATA) : UN 3077 Environmentally hazardous substance, solid, n.o.s., 9, III Transport document description (ADN): UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III Transport document description (RID): UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III **14.3.** Transport hazard class(es) ADR- Transport hazard class(es) (ADR) : 9 Danger labels (ADR): 9 **IMDG**- Transport hazard class(es) (IMDG) : 9 Danger labels (IMDG): 9 IATA- Transport hazard class(es) (IATA): 9 Hazard labels (IATA): 9 ADN- Transport hazard class(es) (ADN): 9 Danger labels (ADN): 9 **RID**- Transport hazard class(es) (RID) : 9 Danger labels (RID): 9 14.4. Packing group Packing group (ADR) : III Packing group (IMDG) : III Packing group (IATA) : III Packing group (ADN) : III Packing group (RID) : III 14.5. Environmental hazards Dangerous for the environment : Yes Marine pollutant : Yes Other information : No supplementary information available 14.6. Special precautions for user

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Overland transport- Classification code (ADR) : M7 Special provisions (ADR) : 274, 335, 375, 601 Limited quantities (ADR) : 5kg Excepted quantities (ADR) : E1 Packing instructions (ADR): P002, IBC08, LP02, R001 Special packing provisions (ADR) : PP12, B3 Mixed packing provisions (ADR) : MP10 Portable tank and bulk container instructions (ADR) : T1, BK1, BK2, BK3 Portable tank and bulk container special provisions (ADR) : TP33 Tank code (ADR) : SGAV, LGBV Vehicle for tank carriage : AT Transport category (ADR): 3 Special provisions for carriage – Packages (ADR) : V13 Special provisions for carriage – Bulk (ADR) : VC1, VC2 Special provisions for carriage - Loading, unloading and handling (ADR) : CV13 Hazard identification number (Kemler No.): 90 Orange plates : Tunnel restriction code (ADR) : -EAC code : 2Z**Transport by sea-** Special provisions (IMDG) : 274, 335, 966, 967, 969 Limited quantities (IMDG) : 5 kg Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : LP02, P002 Special packing provisions (IMDG) : PP12 IBC packing instructions (IMDG) : IBC08 IBC special provisions (IMDG) : B3 Tank instructions (IMDG) : BK1, BK2, BK3, T1 Tank special provisions (IMDG) : TP33 EmS-No. (Fire) : F-A EmS-No. (Spillage) : S-F Stowage category (IMDG) : A Stowage and handling (IMDG) : SW23 MFAG-No: 171 Air transport- PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y956 PCA limited quantity max net quantity (IATA): 30kgG PCA packing instructions (IATA) : 956 PCA max net quantity (IATA): 400kg CAO packing instructions (IATA): 956



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CAO max net quantity (IATA): 400kg Special provisions (IATA) : A97, A158, A179, A197 ERG code (IATA) : 9L Inland waterway transport- Classification code (ADN) : M7 Special provisions (ADN) : 274, 335, 375, 601 Limited quantities (ADN) : 5 kg Excepted quantities (ADN) : E1 Carriage permitted (ADN) : T\* B\*\* Equipment required (ADN) : PP, A Number of blue cones/lights (ADN) : 0 Additional requirements/Remarks (ADN) : \* Only in the molten state. \*\* For carriage in bulk see also 7.1.4.1. \*\* \* Only in the case of transport in bulk. Rail transport- Classification code (RID): M7 Special provisions (RID): 274, 335, 375, 601 Excepted quantities (RID) : E1 Packing instructions (RID) : P002, IBC08, LP02, R001 Special packing provisions (RID) : PP12, B3 Mixed packing provisions (RID) : MP10 Portable tank and bulk container instructions (RID) : T1, BK1, BK2, BK3 Portable tank and bulk container special provisions (RID) : TP33 Tank codes for RID tanks (RID) : SGAV, LGBV Transport category (RID): 3 Special provisions for carriage – Packages (RID) : W13 Special provisions for carriage – Bulk (RID): VC1, VC2 Special provisions for carriage - Loading, unloading and handling (RID): CW13, CW31 Colis express (express parcels) (RID) : CE11 Hazard identification number (RID): 90 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable **15. Regulatory information** 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture **15.1.1. EU-Regulations** No REACH Annex XVII restrictions

[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-

ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with  $\geq$ 

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0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] is on the REACH Candidate List CRYSTAL VIOLET AR/ACS FOR MICROSCOPY is not on the REACH Annex XIV List **15.1.2.** National regulations Germany Reference to AwSV : Water hazard class (WGK) 3, severe hazard to water (Classification according to AwSV; ID No. 8394) 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance) **Netherlands** SZW-lijst van kankerverwekkende stoffen : CRYSTAL VIOLET AR/ACS FOR MICROSCOPY is listed SZW-lijst van mutagene stoffen : The substance is not listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen -Vruchtbaarheid : The substance is not listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed Denmark Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal **15.2.** Chemical safety assessment No additional information available **16. Other information** Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

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#### Further information : None.

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