

Veeto Hobbies India

Plot no. 413, HSIIDC Industrial Area (Saha)

Ambala (Haryana)

Website: www.veeto.co.in, E-mail: veetohobbies@hotmail.com

MATERIAL SAFETY DATA SHEET

Basic Violet 11:1

SECTION 1: Identification of the substance/mixture and of the Company/Undertaking

· **1.1 Product Identifier**

· **Trade name:** Basic Violet 11:1

· **CAS Number:**

73398-89-7

· **EC number:**

277-459-0

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture**

Used for making fluorescent pigment & also used for making colour lakes & inks

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Acute Tox. 3 H301 Toxic if swallowed

Acute Tox. 3 H331 Toxic if inhaled

Eye Dam. 1 H318 Causes serious eye damage

Aquatic Acute 1 H400 Very toxic to aquatic life

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

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MATERIAL SAFETY DATA SHEET SOLVENT GREEN - 7

· Hazard pictograms



GHS05 GHS06 GHS09

· Signal word *Danger*

· Hazard statements

H301+H331 *Toxic if swallowed or if inhaled.*

H318 *Causes serious eye damage.*

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

· Precautionary statements

P301+P310P321 *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*

P330 *Specific treatment (see on this label).*

Rinse mouth.

P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

P403+P233 *Store in a well-ventilated place. Keep container tightly closed.*

P405 *Store locked up.*

P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· **PBT:** *The substance is not PBT*

· **vPvB:** *The substance is not vPvB*

SECTION 3: Composition/information on ingredients

· 3.1 Chemical characterisation: Substances

· CAS No. Description

73398-89-7 3,6-bis(diethylamino)-9-[2-(methoxycarbonyl)phenyl]xanthyliumtetrachlorozincate

· Identification number(s)

· **EC number:** 277-459-0

· Additional information:

Molecular Formula: C₅₈H₆₆Cl₄N₄O₆ZnMolecular

Weight: 1122.389 g/mol

· **SVHC** *The substance is not in the list of SVHC substances*

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MATERIAL SAFETY DATA SHEET

Basic Violet 11:1

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General information:

Consult a physician. Show this safety data sheet to the doctor in attendance. Immediately remove any clothing soiled by the product.

Seek immediate medical advice.

After inhalation:

Get medical attention if symptoms occur.

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Call a physician.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

Remove contact lenses if present and easy to do.

Consult an ophthalmologist immediately.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical treatment.

Information for doctor:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

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

5.2 Special hazards arising from the substance or mixture

In case of fire, harmful vapors may be released.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained breathing apparatus. Wear fully protective suit.

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MATERIAL SAFETY DATA SHEET

Basic Violet 11:1

· Additional information

Avoid whirling up the material/product because of the danger of dust explosion.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid formation of dust.

Avoid contact with the skin, eyes and clothing.

· 6.2 Environmental precautions:

Do not discharge into drains, surface water, groundwater or soil

If the product contaminates rivers and lakes or drains inform respective authorities.

Discharge into the environment must be avoided.

· 6.3 Methods and material for containment and cleaning up:

Take up mechanically, fill into labelled, closable containers

Avoid raising dust.

Small spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Avoid dust generation.

Do not breathe dust/fumes/gas/mist/vapor.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Empty containers pose a fire risk, evaporate the residue under a fume hood

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

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MATERIAL SAFETY DATA SHEET

Basic Violet 11:1

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in ambient temperature and dry place and well-ventilated area away from incompatible substances.
- **Information about storage in one common storage facility:**
Store away from oxidising agents. Store away from excessive heat.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s) :** Used for dyeing, as colorant, industrial use.

SECTION 8: Exposure Controls/Personal Protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:**
Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate fume, dust or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **8.2 Exposure controls**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Wash hands before breaks and at the end of work. Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and feed.
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**
Suitable respiratory protections for higher concentrations or long-term effect: particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2). A self-contained breathing apparatus in case of large spill should be used to avoid inhalation of the product

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MATERIAL SAFETY DATA SHEET

Basic Violet 11:1

-  **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

Chloroprene rubber, CR

Nitrile rubber, NBR PVC

gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Suitable materials also with prolonged, direct contact (recommended: protective index 6, corresponding > 480 minutes of permeation time according to EN 374), e.g. nitrile rubber (0.4mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm).

- **Eye protection:**



Tightly sealed goggles

Face shield.

- **Body protection:** *Protective work clothing*

SECTION 9: Physical and Chemical Properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

Appearance:

Solid

Form:

Powder

- **Colour:**

Reddish Brown

- **Odour:**

Characteristic

- **Change in condition**

Melting point/freezing point:

240 - 250 °C

Initial boiling point and boiling range:

Not determined

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MATERIAL SAFETY DATA SHEET

<u>Basic Violet 11:1</u>	
· Flash point:	<i>Not applicable.</i>
· Flammability (solid, gas):	<i>Product is not flammable.</i>
· Auto-ignition temperature:	<i>Product is not selfigniting.</i>
· Explosive properties:	<i>Product does not present an explosionhazard.</i>
· Vapour pressure at 25 °C:	<i>0 Pa</i>
· Bulk Density :	<i>0.25 – 0.35 gm/cc (after tapping)</i>
· Solubility in / Miscibility with water at 20 °C:	<i>12 g / l</i>
· Partition coefficient: n-octanol/water at 20 °C:	<i>1 log POW (OECD TG 107)</i>
· 9.2 Other information	<i>No further relevant information available.</i>

SECTION 10: Stability and Reactivity

- **10.1 Reactivity** *No further relevant information available.*
- **10.2 Chemical stability** *Stable under normal temperatures and pressures.*
- **Thermal decomposition / conditions to be avoided:**
Keep away from ignition sources, heat and naked flame.
Thermal decomposition: 260 degree C, 0.24 kJ/g (DSC(DIN 51007))
- **10.3 Possibility of hazardous reactions**
No hazardous reactions are foreseeable in normal conditions of use and storage.
- **10.4 Conditions to avoid**
Avoid contact with incompatible materials. Avoid formation of dust.
- **10.5 Incompatible materials:** *Avoid contact with strong oxidizing agents.*
- **10.6 Hazardous decomposition products:**
In case of fire the following may be liberated: Chlorine decomposition products, carbon monoxide and carbon dioxide, nitrogen oxides (NOx), zinc oxide

SECTION 11: Toxicological Information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
Toxic if swallowed or if inhaled.

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MATERIAL SAFETY DATA SHEET

Basic Violet 11:1

· **LD/LC50 values relevant for classification:**

Oral	LD50	> 50 to < 300 mg/kg bw (rat(Wistar)female) (OECD TG 423)
Inhalative	LC50/4 h	0.83 mg/l (rat)

· **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation**

Causes serious eye damage.

The hazard potential of the test material to the eye was evaluated in vitro in accordance with the standardised guideline OECD 437 under GLP conditions using the Bovine Corneal Opacity and Permeability test (BCOP test). The eye damage of the test material was tested in isolated bovine corneas through topical application for approximately 240 minutes. The test material was added neat on top of the corneas. Concurrent negative and positive controls were run using physiological saline and 20 % imidazole solution in physiological saline, respectively. The test material induced serious eye damage through both endpoints (opacity and permeability), resulting in a mean in vitro irritancy score of 478 after 240 minutes of treatment. Under the conditions of this study, as the test material induced an IVIS >55, classification is required for serious eye damage.

· **Respiratory or skin sensitisation**

Based on the available data, the classification criteria are not met.

· **Additional toxicological information:**

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity** Based on the available data, the classification criteria are not met.

· **Carcinogenicity** No data available

· **Reproductive toxicity** Based on the available data, the classification criteria are not met.

· **STOT-single exposure** No data available

· **STOT-repeated exposure**

Based on the available data, the classification criteria are not met.

· **Aspiration hazard** No data available

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

48 hr EC50	0.23 mg/l (Daphnia Magna (Water Flea)) (OECD TG 202)
72 hr EC50	0.041 mg/l (Pseudokirchneriella Subcapitata) (OECD TG 201)
96 hr LC50 (static)	0.98 mg/l (Danio rerio) (OECD TG 203)

· **12.2 Persistence and degradability**

The substance is not readily biodegradable

The ready biodegradability of the test material was assessed in a modified Sturm test conducted in accordance with the standardised guidelines OECD 301B, EU Method C.4-C ISO 9439 and ISO 10634 under GLP conditions. Percentage degradation of test chemical

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MATERIAL SAFETY DATA SHEET

Basic Violet 11:1

was determined to be 11 to 14% using CO₂ evolution parameter after 28 days. Thus, chemical was considered to be not readily biodegradable.

· **12.3 Bio-accumulative potential** No further relevant information available.

· **12.4 Mobility in soil**

OECD TG 121 study -

The Adsorption Coefficient of test substance bis{3,6-bis(diethylamino)-9-[2(methoxycarbonyl)phenyl]xanthenium} tetrachlorozincate(2-) (CAS no. 73398-89-7) was determined as per the HPLC method (OECD Guideline-121). The Log K_{oc} value was determined to be 1.943 dimensionless at 25°C. Thus based on the result it is concluded that the test substance bis{3,6-bis(diethylamino)-9-[2(methoxycarbonyl)phenyl]xanthenium} tetrachlorozincate(2-) has a low sorption to soil and sediment and therefore has moderate migration potential to ground water.

· **Additional ecological information:**

· **General notes:**

Toxic for aquatic organisms

Do not allow product to reach ground water, water course or sewage system.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** The substance is not PBT.

· **vPvB:** Not a vPvB substance.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal Considerations

· **13.1 Waste treatment methods**

· **Recommendation**

The generation of waste should be avoided or minimised wherever possible. Incinerate according to applicable local, state and federal regulations.

· **Waste disposal key:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations

· **Uncleaned packaging:**

· **Recommendation:**

Packs that cannot be cleaned should be disposed of in the same manner as the unused product.

SECTION 14: Transport Information

· **14.1 UN-Number**

· **ADR, IMDG, IATA**

UN3143

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MATERIAL SAFETY DATA SHEET

Basic Violet 11:1

· **14.2 UN proper shipping name**

· **ADR**

3143 DYE, SOLID, TOXIC, N.O.S. (3,6-bis(diethylamino)-9-[2-(methoxycarbonyl)phenyl]xanthylumtetrachlorozincate), ENVIRONMENTALLY HAZARDOUS

· **IMDG**

DYE, SOLID, TOXIC, N.O.S. (3,6-bis(diethylamino)-9-[2-(methoxycarbonyl)phenyl]xanthylumtetrachlorozincate), MARINE POLLUTANT

· **IATA**

DYE, SOLID, TOXIC, N.O.S. (3,6-bis(diethylamino)-9-[2-(methoxycarbonyl)phenyl]xanthylumtetrachlorozincate)

· **14.3 Transport hazard class(es)**

· **ADR, IMDG**



· **Class**

6.1 Toxic substances.

· **Label**

6.1

· **IATA**



· **Class**

6.1 Toxic substances.

· **Label**

6.1

· **14.4 Packing group**

· **ADR, IMDG, IATA**

III

· **14.5 Environmental hazards:**

Environmentally hazardous substance, solid;
Marine Pollutant

· **Marine pollutant:**

Yes

· **Special marking (ADR):**

Symbol (fish and tree)

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Toxic substances.

· **Hazard identification number (Kemler code):**

60

· **EMS Number:**

F-A,S-A

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MATERIAL SAFETY DATA SHEET

Basic Violet 11:1

· Stowage Category	A
· 14.7 Transport in bulk according to AnnexII of Marpol and the IBC Code	Not applicable
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5 kg
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging:30 g Maximum net quantity per outer packaging:1000 g
· Transport category	2
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	5 kg Code:
· Excepted quantities (EQ)	E1 Maximum net quantity per inner packaging:30 g Maximum net quantity per outer packaging:1000 g
· UN "Model Regulation"	UN 3143 DYE, SOLID, TOXIC, N.O.S. (3,6-BIS (DIETHYLAMINO) - 9 - [2 -(METHOXYCARBONYL) PHENYL] XANTHYLIUMTETRACHLOROZINATE), 6.1, III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- Hazard pictograms**



GHS05 GHS06 GHS09

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Basic Violet 11:1

· **Signal word** *Danger*

· **Hazard statements**

H301+H331 *Toxic if swallowed or if inhaled.*

H318 *Causes serious eye damage.*

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

· **Precautionary statements**

P301+P310 *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*

P321 *Specific treatment (see on this label).*

P330 *Rinse mouth.*

P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

P403+P233 *Store in a well-ventilated place. Keep container tightly closed.*

P405 *Store locked up.*

P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**

International inventory list

TSCA – Listed

KECL - Listed

DSL - Listed

IECSC - Listed

AICS - Listed

PICCS - Listed

· **Substances of very high concern (SVHC) according to REACH, Article 57**

The substance is not listed as SVHC.

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** *Product safety department.*

· **Contact:** *Mr. Vijay Mehra*

· **Email:** veetohobbies@hotmail.com

· **Mob:** *7027002328/29/75*

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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MATERIAL SAFETY DATA SHEET

Basic Violet 11:1

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods/IATA:

International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances CAS:

Chemical Abstracts Service (division of the American Chemical Society) LC50:

Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic SVHC:

Substances of Very High Concern vPvB: very

Persistent and very Bioaccumulative Acute Tox. 3:

Acute toxicity – Category 3

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic

Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

• Sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL 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.

Toxplanet

ECHA

• * Data compared to the previous version altered.

- Section 1: Identification of substance and company
- Section 2: Hazard Identification
- Section 3: Composition/information on ingredients
- Section 4: First-aid measures.
- Section 5: Fire-fighting measures
- Section 6: Accidental Release measures
- Section 11: Toxicological Information
- Section 12: Ecological Information
- Section 13: Disposal consideration
- Section 14: Transport information
- Section 15: Regulatory information
- Section 16: Other information

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