1. IDENTIFICATION

Product Name: CRYSTAL VIOLET
Synonyms: Gentian violet; Methyl violet
Formula and Formula Weight: C25H30N3Cl  407.99
Integra numbers beginning with: C900.10
Recommended Use: Commercial/Industrial use
Restrictions on Use: No information

INTEGRA Chemical Company
1216 6th Ave N
Kent  WA  98032
Phone:  253-479-7000

2. HAZARDS IDENTIFICATION

Hazards Not Otherwise Classified: No information available

Precautionary Statements

Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing, eye protection, face protection.

Response
If swallowed: Rinse mouth. Immediately call a poison center, doctor.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center, doctor.
Specific treatment (see first aid section on this label)
If skin irritation occurs: Get medical advice, attention.
Take off contaminated clothing and wash it before reuse.

Storage
Store locked up.

Disposal
Dispose of contents, container in accordance with all governmental regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Synonyms</th>
<th>CAS #</th>
<th>% Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystal violet</td>
<td>Gentian violet; Basic violet #3; Methyl violet 10B</td>
<td>00548-62-9</td>
<td>100</td>
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</tbody>
</table>

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing.
Eye Contact: Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical attention.
Skin Contact: Flush skin with plenty of water. Seek medical attention.
Ingestion: If conscious, rinse mouth and give victim large amounts of water. Seek medical attention.
Additional notes: Symptoms and effects include skin, eye, respiratory irritation; nausea, vomiting and gastrointestinal irritation. Suspected of causing cancer and genetic defects.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, carbon dioxide, dry chemical or foam.
Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.

Specific Hazards: As with most organic solids, combustion is possible at elevated temperatures.


6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Remove all potential ignition sources. Prevent spread of spill. Wear suitable protective equipment. Sweep or scoop into disposal container in a manner that minimizes dust dispersion. Do not release to environment.

7. HANDLING AND STORAGE


Storage and Handling: Store locked up in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage. Protect from direct light and minimize contact with air. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye protection, face protection.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:

Crystal violet None identified

Engineering Controls: Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.

Respiratory Protection: If use generates annoying or irritating dusts, mists or vapors, use a NIOSH approved respirator with a particulate filter.

Skin/Eye Protective Equipment: Safety goggles, protective clothing and gloves appropriate for the risk of exposure.

Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers. Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Apearance: Crystalline/light blue

Odor: Not available

Odor Threshold: Not available

pH: 2.5-3.5 for a 1% solution @ 20°C

Melting/Freezing Point: 173 °C

Initial Boiling Point and Boiling Range: Not available

Flash Point: Not available

Evaporation Rate: Not available

Flammability: Not available

flammable or explosive limits (% by volume in air) Upper: Not available Lower: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Relative Density: 1.19 g/cc

Solubility: Soluble in water

Partition Coefficient: n-octanol/water Not available

Auto-Ignition Temperature: Not available

Decomposition Temperature: Not available

Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: No information available

Stability: Stable

Possibility of Hazardous Reactions: Hazardous polymerization will not occur

Conditions to Avoid: Excessive heat and exposure to light.

Incompatibles: Incompatible with strong oxidizers. Strong reducers.


11. TOXICOLOGICAL INFORMATION

Effects of Over Exposure:

Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract.

Skin Contact: Contact may cause skin irritation.

Eye Contact: Contact may burn or damage the eyes.

Ingestion: Harmful if swallowed. Ingestion may cause nausea, vomiting and gastrointestinal irritation.

Chronic Effects: No information available

Target Organs: No information available
Additional Effects: No information available
Reproductive Effects: Suspected of causing genetic defects.
Carcinogenicity: Suspected of causing cancer.

**Toxicity Data:**
<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50 (oral, mouse)</th>
<th>LD50 (oral, rat)</th>
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<tbody>
<tr>
<td>Crystal violet</td>
<td>96 mg/kg</td>
<td>420 mg/kg</td>
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**12. ECOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Aquatic Toxicity Data</th>
<th>Terrestrial Toxicity Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystal violet</td>
<td>No information available</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: Very toxic to aquatic organisms

**13. DISPOSAL CONSIDERATIONS**

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

**14. TRANSPORTATION INFORMATION**

This product is not a regulated material for domestic ground transportation.

Environmental hazards: No information available
Special precautions: No information available
Bulk transport: No information available

**15. REGULATORY INFORMATION**

Crystal violet is listed in the TSCA inventory.

**16. OTHER INFORMATION**

OSHA SDS #: 26690 rev 001  5.27.2015

NE = Not established, NA = Not applicable or Not available

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***** END OF SDS *****