SAFETY DATA SHEET (SDS)
According to OSHA HazCom Standard 29 CFR 1910.1200 (g), Rev 2012 and GHS Rev 03
Revision No. 0, Revision Date: 25-Mar-15
Printing Date: 30-Aug-16

Product: SPECTRA METHYL VIOLET BASE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifiers:
Product Form: Substance
Product Name: SPECTRA METHYL VIOLET BASE
Product Number: 7.SL.000800
Color Index: SOLVENT VIOLET 008
CAS number: 52080-58-7 / 561-41-1
Formula or Chemical family: TRIARYLMETHANE

Intended Use of the Product:
In Oleic, Stearic, or other fatty acid, typewriter ribbon, copier papers, and ball point ink.
Rotogravure and NC lacquers.

Name, Address, and Telephone of the Responsible Party
Spectra Colors Corporation
25 Rizzolo Road
Kearny, NJ 07032 USA

Telephone       800-527-8588 (USA), 201-997-0606 (Int’l)
Fax number 201-997-0504
Email dyes@spectracolors.com

EMERGENCY TELEPHONE NUMBER
Emergency phone number: Chemtrec 800-424-9300 (USA)
+1 703-527-3887 (Outside USA)

SECTION 2: Hazards Identification

Classification of the substance or mixture

GHS-US Classification
Carcinogen (Cat. 1)
Acute toxicity/oral (Cat. 4)
Eye damage/irritation (Cat. 2A)
Skin corrosion/irritation (Cat. 2)
Acute toxicity/inhalation (Cat. 4)
Hazard aquatic environment/acute (Cat. 1)

Label Elements

GHS Labelling:
Hazard Pictograms (GHS-US): GHS08 GHS09
Signal Word (GHS-US): Danger
Hazard Statements (GHS-US)
H350 - May cause cancer
H302 – Harmful if swallowed
H319 - Causes serious eye irritation
H315 - Causes skin irritation
H332 - Harmful if inhaled
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H400 - Very toxic to aquatic life

Precautionary Statements (GHS-US)

P308 + P313 - IF exposed or concerned: Get medical advice/attention
P201 – Obtain special instructions before use
P202 – Do not handle until all safety precautions have been read and understood
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P301 + P312 – IF SWALLOWED OR INHALED: Call a POISON CENTER / doctor/physician if you feel unwell
P330 – Rinse mouth
P264 – Wash face and hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice attention
P261 - Avoid breathing dust/fumes/gas/mist/vapors/spray
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water
P332 + P313 – If skin irritation occurs, get medical advice/attention.
P362 – Take off contaminated clothing and wash before reuse
P280 - Wear protective gloves/eye protection/face protection
P281 - Use personal protective equipment as required
P271 – Use only outdoors or in well ventilated area
P405 - Store locked up
P273 - Avoid release to the environment
P391 - Collect spillage
P501 - Dispose of contents/container in accordance with local / regional / national / international regulations

Other Hazards: No data available
Unknown acute toxicity (GHS US): No data available

SECTION 3: Composition/Information on Ingredients

Substances

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier CAS No.</th>
<th>Weight%</th>
<th>GHS-US Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOLVENT VIOLET 008</td>
<td>52080-58-7 / 561-41-1</td>
<td>100</td>
<td>Carcinogen (Cat. 1) Acute toxicity/oral (Cat. 4) Eye damage/irritation (Cat. 2A) Skin corrosion/irritation (Cat. 2) Acute toxicity/inhalation (Cat. 4) Hazard aquatic environment/acute (Cat. 1)</td>
</tr>
</tbody>
</table>

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Chemical Designation</th>
<th>CAS No</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICHLER’S KETONE</td>
<td>90-94-8</td>
<td>&lt;1.0%</td>
</tr>
</tbody>
</table>

Additional Information: None
SECTION 4: First Aid Measures

Description of first aid measures
First Aid Measures General: Remove contaminated clothing
First-aid measures after inhalation: Remove to fresh air. If breathing is difficult, give oxygen and get immediate medical attention.
First-aid measures after skin contact: Wash affected area thoroughly with soap and water. If any irritation develops, consult a Physician.
First-aid measures after eye contact: Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. Get immediate medical attention.
First-aid measures after ingestion: If swallowed, rinse mouth and then drink plenty of water. Ask for medical advice.

Most important symptoms and effects, both acute and delayed:
A hazard evaluation of this product has been performed. This product is identified as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 5: Firefighting Measures

Extinguishing media
Suitable Extinguishing Media: WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM
Unsuitable Extinguishing Media:
Special hazards arising from the substance or mixture: NONE EXPECTED. FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS TO GUARD AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES. AVOID DUSTING. DUST CAN FORM EXPLOSIVE MIXTURES WITH AIR.

Fire Hazard: N/A
Explosion Hazard: N/A
Reactivity: N/A

Advice for firefighters
Firefighting Instructions: WEAR SELF-CONTAINED BREATHING APPARATUS.

Protection during firefighting: No additional information available

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
General Measures:
For non-emergency personnel
Protective equipment: See Section 8
Emergency procedures:
For emergency responders
Protective equipment: See Section 8
Emergency procedures:
Avoid any uncontrolled release of material.

Environmental precautions: Do not empty into drains or the aquatic environment.

Methods and materials for containment and cleaning up
For containment: Where spills are possible, a comprehensive spill response plan should be developed and implemented. Steps to be taken if material is released or spilled are as follows: Utilize recommended protective clothing and equipment. Spills should be swept by using an absorbent dust control product and placed in containers.
For cleaning up: Spill area can be washed with water. Collect water for approved disposal. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

Reference to other sections
Product: SPECTRA METHYL VIOLET BASE

No additional information available.

SECTION 7: Handling and storage

Precautions for safe handling
Additional hazards when processed:
Precautions for safe handling: Handle with CARE. AVOID over exposure. Use NIOSH/OSHA APPROVED RESPIRATOR, WORK GLOVES and CLOTHING. WASH after handling. SENSITIVE INDIVIDUALS MAY EXPERIENCE RESPIRATORY ALLERGIES. MAY CAUSE SKIN IRRITATION. USE WITH LOCAL VENTILATION.

Hygiene measures:

Conditions for safe storage, including any incompatibilities
Technical measures: N/A
Storage conditions: CONTAINS <0.8% Michler’s Ketone CAS# 90-94-8
Incompatible products: N/A
Incompatible materials: N/A
Storage area: N/A
Special rules on packaging: N/A

Specific end use(s): In Oleic, Stearic, or other fatty acid, typewriter ribbon, copier papers, and ball point ink. Rotogravure and NC lacquers.

SECTION 8: Exposure controls / personal protection

Control parameters

Exposure controls
Appropriate engineering controls: N/A

Personal protective equipment:

Hand protection: Wear protective gloves
Eye protection: Tightly sealed safety goggles or full face shield
Skin and body protection: Wear suitable protective clothing
Respiratory protection: Dust Mask
Thermal hazard protection: N/A
Other information: No additional information

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state, appearance, color, odor</td>
<td>VIOLET POWDER, NO ODOR</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>No data</td>
</tr>
<tr>
<td>pH:</td>
<td>9.8 - 11.5</td>
</tr>
<tr>
<td>Melting Point/Freezing Point:</td>
<td>ND</td>
</tr>
<tr>
<td>Initial boiling point/boiling range:</td>
<td>0.00</td>
</tr>
<tr>
<td>Flashpoint:</td>
<td>NORMALLY STABLE, NOT COMBUSTIBLE NOR FLAMMABLE.</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>No data</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td>NORMALLY STABLE, NOT COMBUSTIBLE NOR FLAMMABLE.</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper explosive limits</td>
<td>N/A</td>
</tr>
<tr>
<td>Lower explosive limits</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor density</td>
<td>N/A</td>
</tr>
<tr>
<td>Relative density</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient octanol/water</td>
<td>No data</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data</td>
</tr>
<tr>
<td>Viscosity, cinematic</td>
<td>No data</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>N/A</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other information
No additional information available

SECTION 10: Stability and reactivity
Reactivity: No data
Chemical stability: Stable
Possibility of hazardous reactions
No additional information available
Conditions to avoid: OXIDIZING & REDUCING AGENTS MAY DESTROY COLOR.
Incompatible materials: OXIDIZING & REDUCING AGENTS MAY DESTROY COLOR.
Hazardous decomposition products: CO, CO2, OXIDES OF NITROGEN AND OTHER POTENTIALLY TOXIC FUMES.

SECTION 11: Toxicological information
Information on toxicological effects
Oral (Animal): ORAL RAT LD50: >1400 mg/kg
Dermal (animal): NO DATA AVAILABLE.
Effects to eyes (Animal): NO DATA AVAILABLE.
Skin irritation (Animal): NO DATA AVAILABLE.
Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.
Aspiration hazard: Not classified
Symptoms/injuries after inhalation: May cause drowsiness or dizziness.
Symptoms/injuries after eye contact: Causes serious eye irritation.
Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

SECTION 12: Ecological information
Toxicity:
Robra Test : EC/LC10(½ h ) : 8mg/L,
Robra Test : EC/LC50(½ h ) : 140mg/L,
Product: SPECTRA METHYL VIOLET BASE

**Persistence and degradability:** NO DATA AVAILABLE.

**Bioaccumulative potential:** NO DATA AVAILABLE.

**Mobility in soil:** No Data Available

**Other adverse effects:** No additional information available

### SECTION 13: Disposal considerations

**Waste treatment methods**
Regional legislation (waste): Dispose of only in an approved land-fill area or by controlled incineration in accordance with local and State regulations.

**Waste disposal recommendations:** Empty bags thoroughly. Carry out the proper recycling, re-usage or disposal. Please refer to the relevant EU regulations, in particular the guidelines/decisions of the council regarding handling of wastes (e.g. 75/442/EEC, 91/689/EEC, 94/67/EC, 94/904/EC) as implemented in national regulations.

### SECTION 14: Transport information

**UN number:** 3077

**UN proper shipping name:** None

**Department of Transportation (DOT):**
- Transport hazard class(es): N/A

**Hazard labels (DOT):**
- Packing group (DOT): N/A

**DOT Special provisions:**

**Additional information**
- Overland transport: DOT: UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, n.o.s. (solvent violet 8) 9, III
- Marine pollutant

- IMDG / IATA: UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, n.o.s. (solvent violet 8) 9, III
- Marine pollutant: Marine pollutant

- Transport by sea: DOT: NON-REGULATED

- IMDG / IATA: UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, n.o.s. (solvent violet 8) 9, III
- Marine pollutant: Marine pollutant

**Air transport:** DOT: NON-REGULATED

- IMDG / IATA: UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, n.o.s. (solvent violet 8) 9, III
- Marine pollutant: Marine pollutant

**DOT Quantity Limitations Passenger Aircraft:**

**DOT Quantity Limitations Cargo Aircraft:**

### SECTION 15: Regulatory information

**US Federal regulations:**
- This substance is listed on United States TSCA (Toxic Substance Control Act) inventory.

**US State regulations:** N/A
Other regulations:

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>TSCA</th>
<th>DSL</th>
<th>NSDL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>CHINA</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
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<tbody>
<tr>
<td>52080-58-7 / 561-41-1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

TSCA Status: IN COMPLIANCE

E C Classification: (67/548/EEC – 88/379/EEC) n/a
EINECS Number: 209-218-2
REACH Classification: 05-211645705-41-0000
R-phrases: See Regulatory Section 15 of SDS
Additional Regulatory Information: Substance name: 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol

Australia (AICS) YES Canada (DSL) YES Japan (MITI) YES USA (TSCA) YES Europe (EINECS) YES (In the European Union, CAS# 84281-86-7 for Solvent Violet 8 corresponds to EC# 282-630-8)

R-phrase: R20/22, R36/37, R51/53
S-phrase: S24/25, S26, S36/37/39, S45

SECTION 16: Other information

Indication of changes:
Other information: N/A

GHS Full Text Phrases:

<table>
<thead>
<tr>
<th>Code</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>H350</td>
<td>May cause cancer</td>
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</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
</tbody>
</table>

NFPA Rating: N/A

HMIS Rating : Health: 1  Flammability: 0  Reactivity: 0  Personal Protection: D

SPECTRA COLORS CORP. makes every effort to assure that the information herewith enclosed in this transmission is accurate and current, to the best of our knowledge. Beyond the scope of these claims, Spectra Colors makes no promises as to the performance of our products in our customers finished applications; neither can we anticipate end-use characteristics. Likewise it is the end-user's responsibility to assure that Spectra Colors dye products are in compliance with all local, federal and global regulations regarding the storage, the use and the disposal of these same dye products. Spectra Colors Corp. provides these materials for informational purposes only and does not hereby make any express or implied warranty regarding merchantability, fitness for a particular purpose, regulatory compliance, or any other matter.