

Issue Date: 09-Sep-2014

Revision Date: 01-Mar-2017

Version Number: 2

### 1. Identification

#### Product Identifiers

**Product Name:** Bright Dyes® Solvent 250 Blue Liquid

**Product Number:** 506250-B

#### Recommended Use & Restrictions on Use

Coloring agent for multiple applications

#### Manufacturer/Supplier

Kingscote Chemicals, Inc.  
3334 South Tech Blvd.  
Miamisburg, OH 45342  
U.S.A.

#### Emergency Telephone Number

**Company Telephone Number:** (937) 886-9100  
**Emergency Telephone (24 hr.):** INFOTRAC (800) 535-5053 (North America)  
+1-352-323-3500 (International)

### 2. Hazards Identification

#### Classification

|            |  |
|------------|--|
| Category 3 | Specific target organ toxicity (single exposure) |
| Category 3 | Marine pollutant                                 |

#### Signal Word

Danger

#### Hazard-determining components of labeling

Solvent naphtha (petroleum), heavy arom.

#### Hazard Statements

May cause drowsiness or dizziness  
May be fatal if swallowed and enters airways  
Toxic to aquatic life with long lasting effects



**Precautionary Statements**

Avoid release to the environment

Collect spillage

Avoid breathing dust/fume/gas/mist/vapors/spray

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

DO NOT induce vomiting

Store locked up

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

**Additional information:**

42.3 % of the mixture consists of component(s) of unknown toxicity.

**NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 1

Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

Health = 1

Fire = 1

Reactivity = 0

**Other hazards**

Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**3. Composition/Information on Ingredients**

| Chemical Name               | CAS #      | Weight % |
|-----------------------------|------------|----------|
| Solvent naphtha (petroleum) | 64742-94-5 | 50 - 70  |
| Naphthalene                 | 91-20-3    | < 0.2%   |

*\*If Chemical Name/CAS # is "proprietary" and/or Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.*

**4. First-Aid Measures****First-Aid Measures**

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.                                  |
| <b>Skin Contact</b> | Wash thoroughly with soap and water until no traces of the chemical remain. Take off contaminated clothing and wash it before reuse. Seek medical attention if irritation develops. |
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical attention in case of complaints.    |
| <b>Ingestion</b>    | Call a poison control center or physician immediately. Rinse mouth. Do not induce vomiting.   |

**Most Important Symptoms and Effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | No further relevant information available. |
|-----------------|--|

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

|                           |  |
|---------------------------|--|
| <b>Notes to Physician</b> | No further relevant information available. |
|---------------------------|--|

**5. Fire-Fighting Measures****Suitable Extinguishing Media**

Use fire fighting measure that suit the environment.

**Unsuitable Extinguishing Media**

Not determined

**Specific Hazards Arising from the Chemical**

Not determined

**Protective Equipment and Precautions for Firefighters**

No special measures required

**6. Accidental Release Measures****Personal Precautions, Protective Equipment and Emergency Procedures**

|                             |               |
|-----------------------------|---------------|
| <b>Personal Precautions</b> | Not required. |
|-----------------------------|---------------|

|                                  |  |
|----------------------------------|--|
| <b>Environmental Precautions</b> | Inform respective authorities in case of seepage into water course or sewage system.<br>Do not allow to enter sewers/ surface or ground water. |
|----------------------------------|--|

**Methods and Material for Containment and Cleaning Up**

|                                |  |
|--------------------------------|--|
| <b>Methods for Containment</b> | Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).<br>Dispose contaminated material as waste according to item 13. |
|--------------------------------|--|

|                                |  |
|--------------------------------|--|
| <b>Methods for Cleaning Up</b> | Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).<br>Dispose contaminated material as waste according to item 13. |
|--------------------------------|--|

**7. Handling and Storage****Precautions for Safe Handling**

|                                |  |
|--------------------------------|--|
| <b>Advice on Safe Handling</b> | No special precautions are necessary if proper handling procedures are followed. |
|--------------------------------|--|

**Conditions for Safe Storage, Including Incompatibilities**

|                           |   |
|---------------------------|---|
| <b>Storage Conditions</b> | Keep container tightly closed and store in a cool, dry and well-ventilated place. |
|---------------------------|---|

## 8. Exposure Controls / Personal Protection

### Exposure Guidelines

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### Engineering Controls

Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

### Individual Protection Measures, Such as Personal Protective Equipment:

|   |  |
|---|--|
| <b>General Protective and Hygienic Measures</b> | Keep away from foodstuffs, beverages and feed. Wash hands before and after handling.   |
| <b>Eye/Face Protection</b>                      | Chemical safety goggles/face shield.   |
| <b>Skin &amp; Body Protection</b>               | Protective gloves recommended when prolonged contact cannot be avoided. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Suitable protective clothing is also recommended. |
| <b>Respiratory Protection</b>                   | Not required.  |
| <b>Hygiene Measures</b>                         | Handle in accordance with good industrial hygiene and safety practice.   |

## 9. Physical and Chemical Properties

### Information on Basic Physical and Chemical Properties

|                                  |  |                       |                |
|----------------------------------|--|-----------------------|----------------|
| <b>Physical State</b>            | Liquid                                     | <b>Odor</b>           | Aromatic       |
| <b>Appearance</b>                | Blue liquid                                | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>                     | Blue                                       |                       |                |
| <b><u>Property</u></b>           | <b><u>Values</u></b>                       |                       |                |
| <b>pH</b>                        | Not determined                             |                       |                |
| <b>Melting/Freezing Point</b>    | Not determined                             |                       |                |
| <b>Boiling Point/Range</b>       | Not determined                             |                       |                |
| <b>Flash Point</b>               | > 100°C (> 212°F)                          |                       |                |
| <b>Evaporation Rate</b>          | Not determined                             |                       |                |
| <b>Flammability (solid, gas)</b> | Liquid – not applicable                    |                       |                |
| <b>Ignition Temperature</b>      | 430° C (806° F)                            |                       |                |
| <b>Upper Flammability Limits</b> | 7.8 Vol %                                  |                       |                |
| <b>Lower Flammability Limits</b> | 1.0 Vol %                                  |                       |                |
| <b>Vapor Pressure</b>            | 7 mm Hg @ 20°C                             |                       |                |
| <b>Vapor Density</b>             | Not determined                             |                       |                |
| <b>Relative Density</b>          | Not determined                             |                       |                |
| <b>Solubility</b>                | Not miscible or difficult to mix           |                       |                |
| <b>Partition Coefficient</b>     | Not determined                             |                       |                |
| <b>Auto-ignition Temperature</b> | Not determined                             |                       |                |
| <b>Decomposition Temperature</b> | Not determined                             |                       |                |
| <b>Danger of Explosion</b>       | Product does not present an explosion risk |                       |                |
| <b>Viscosity</b>                 | 10 mm <sup>2</sup> /s (Kinematic at 40°C)  |                       |                |
| <b>Solids Content</b>            | 42.3%                                      |                       |                |

## 10. Stability and Reactivity

### Reactivity

No further relevant information available.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

No further relevant information available.

### Incompatible Materials

No further relevant information available.

### Hazardous Decomposition Products

No dangerous decomposition products known.

## 11: Toxicological Information

### Information on Likely Routes of Exposure

|                     |                                      |
|---------------------|--------------------------------------|
| <b>Inhalation</b>   | Avoid breathing vapors or mists.     |
| <b>Ingestion</b>    | Do not ingest.                       |
| <b>Skin Contact</b> | May cause an allergic skin reaction. |
| <b>Eye Contact</b>  | Avoid contact with eyes.             |

### Acute toxicity

LD/LC50 values that are relevant for classification:

#### **64742-94-5 Solvent naphtha (petroleum), heavy arom.**

- Oral LD50 >5000 mg/kg (rat) (OECD Guideline 401)
- Dermal LD50 >2000 mg/kg (rabbit) (OECD Guideline 402)
- Inhalative LC50/4 h 4778 mg/l (rat) (OECD Guideline 403)

#### **91-20-3 Naphthalene**

- Oral LD 50: 490 mg/kg (Rat)
- Dermal LD 50: 5000 mg/kg (Rat)

### Delayed, Immediate, and Chronic Effects from Short- and Long-Term Exposure

No irritant effect.

### Numerical Measures of Toxicity

Not determined

### Symptoms Associated with Exposure

See Section 4 of this SDS for symptoms.

**Carcinogenicity**

Carcinogenic Status: Contains Naphthalene, which is classified as carcinogenic by IARC (Group 2B) and NTP (Group 2-Reasonably anticipated).

|      |                                    |
|------|------------------------------------|
| NTP  | Naphthalene (91-20-3)              |
| IARC | Naphthalene (91-20-3)              |
| OSHA | None of the ingredients is listed. |

**12. Ecological Information****Ecotoxicity**

- Water hazard class 2 (Self-assessment): hazardous for water.
- Do not allow product to reach ground water, water course, or sewage system.

**Aquatic toxicity****64742-94-5 Solvent naphtha (petroleum), heavy arom.**

- Oral LC50 aquatic: 3.6 mg/l (Oncorhynchus mykiss)
- EC50 3.6 mg/kg (Oncorhynchus mykiss) (96 hr)
- Toxic for fish and aquatic organisms.

**Component Information**

Not available

**Persistence/Degradability**

No further relevant information available.

**Bioaccumulation**

No further relevant information available.

**Mobility**

No further relevant information available.

**Other Adverse Effects**

Water hazard class 2: Hazardous for water. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies.

**13. Disposal Considerations****Waste Disposal Methods**

Dispose of in accordance with federal, state, and local regulations. Must not be disposed of together with household garbage.

**Contaminated Packaging**

Do not re-use empty containers. Dispose of containers in accordance with federal, state, and local regulations.

**14. Transport Information****UN-Number**

- **DOT:** N/A
- **IMDG, IATA, TDG:** UN3082

**UN proper shipping name**

- **DOT, TDG:** N/A
- **IMDG:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha), MARINE POLLUTANT
- **IATA:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha)

**Transport hazard class(es)**

- **DOT, TDG**
  - **Class:** N/A
  - **Label:** Not regulated
- **IMDG, IATA**
  - **: Class:** 9 Miscellaneous dangerous substances and articles
  - **: Label:** 9

**Packing group**

- **DOT, TDG:** N/A
- **IMDG, IATA:** III

**Environmental hazards:** Product contains environmentally hazardous substances:

Solvent naphtha

- **Marine pollutant:** Yes Symbol (fish and tree)
- **Special marking (IATA):** Symbol (fish and tree)

**Special precautions for user:** Warning: Miscellaneous dangerous substances and articles

- **Danger code (Kemler):** 90
- **EMS Number:** F-A,S-F
- **Stowage Category:** A

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** N/A

**Transport/Additional information:**

- **IMDG**
  - **Limited quantities (LQ)** 5L
  - **Excepted quantities (EQ)** Code: E1
    - Maximum net quantity per inner packaging: 30 ml
    - Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":**
  - UN3082, Environmentally hazardous substances, liquid, n.o.s. (Solvent naphtha), 9, III

**Note**

See current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

**15: Regulatory Information****International Inventories**

No data available

**U.S. Federal Regulations**

|  |   |
|--|---|
| <b>SARA 311/312</b>                      | Not applicable.                         |
| <b>SARA 302/304 RQ</b>                   | Not applicable.                         |
| <b>CWA (Clean Water Act)</b>             | Not applicable.                         |
| <b>CERCLA – Hazardous Substances</b>     | 91-20-3 Naphthalene (100 Lbs. or 4 kgs) |
| <b>TSCA</b>                              | All ingredients are listed              |
| <b>United States inventory (TSCA 8b)</b> | All components are listed or exempted.  |

**U.S. State Regulations**

|                                  | <b>Chemical Name</b> | <b>CAS #</b> |
|----------------------------------|----------------------|--------------|
| <b>California Proposition 65</b> | Naphthalene          | 91-20-3      |

**US State Right to Know Regulations**

|                       |   |
|-----------------------|---|
| <b>California:</b>    | Naphthalene.(91-20-3)                               |
| <b>Massachusetts:</b> | Naphthalene (91-20-3)                               |
| <b>New York:</b>      | None of the components are listed.                  |
| <b>New Jersey:</b>    | Naphthalene.(91-20-3)                               |
| <b>Pennsylvania:</b>  | Naphthalene (91-20-3), Solvent naphtha (64742-94-5) |
| <b>Minnesota:</b>     | None of the components are listed                   |
| <b>Rhode Island:</b>  | Naphthalene.(91-20-3)                               |
| <b>Illinois:</b>      | Naphthalene.(91-20-3)                               |

**Carcinogenic categories****EPA (Environmental Protection Agency)**

- 91-20-3 Naphthalene C, CBD

**TLV (Threshold Limit Value established by ACGIH)**

- 91-20-3 Naphthalene A4

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

- None of the ingredients is listed.

**Canadian Substance Listings:****Canadian Domestic Substances List (DSL)**

- 64742-94-5 Solvent naphtha (petroleum), heavy arom.
- 91-20-3 Naphthalene

**Canadian Ingredient Disclosure list (limit 0.1%)**

- None of the ingredients are listed.

**Canadian Ingredient Disclosure list (limit 1%)**

- None of the ingredients are listed.



**16: Other Information**

|                      |                |
|----------------------|----------------|
| <b>Issue Date</b>    | 09-Sep-2014    |
| <b>Revision Date</b> | 01-Mar-2017    |
| <b>Revision Note</b> | Content Review |

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**