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Version Number: 1.1

## 1. Identification

### Product Identifiers

**Product Name:** Bright Dyes® Solvent 250 Yellow Fluorescent Liquid

**Product Number:** 506250-YF

### 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

Warning

### Hazard-determining components of labeling:

p-Dodecylphenol

### Hazard Statements

Causes skin irritation

May cause drowsiness or dizziness

Very toxic to aquatic life with long lasting effects



### Precautionary Statements

Keep away from heat/sparks/open flames/hot surfaces. – No smoking  
Use explosion-proof electrical/ventilating/lighting/equipment

Wear protective gloves/protective clothing/eye protection/face protection  
 Ground/bone container and receiving equipment  
 Keep container tightly closed  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 DO NOT induce vomiting  
 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Get medical advice / attention  
 Store locked up  
 Dispose of contents/container in accordance with local/regional/national/international regulations  
 Take off contaminated clothing and wash it before reuse  
 Collect spillage

**Hazard Not Otherwise Classified (HNOC)**

May be harmful if swallowed  
 May be harmful in contact with skin

<b>3. Composition/Information on Ingredients</b>
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Chemical Name	CAS #	Weight %
p-Dodecylphenol	27193-86-8	40 – 50
Solvent naphtha (petroleum)	64742-94-5	35-45

*\*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.*

<b>4. First-Aid Measures</b>
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**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.
<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.
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**Indication of Any Immediate Medical Attention and Special Treatment Needed**

<b>Notes to Physician</b>	No further relevant information available.
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## 5. Fire-Fighting Measures

### Suitable Extinguishing Media

Use fire fighting measures that suit the environment.

### Unsuitable Extinguishing Media

Not determined

### Specific Hazards Arising from the Chemical

Not determined

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

<b>Personal Precautions</b>	Use personal protective equipment as required.
<b>Environmental Precautions</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12 and Section 13.

### Methods and Material for Containment and Cleaning Up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Contain and collect with an inert absorbent and place into an appropriate container for disposal.

## 7. Handling and Storage

### Precautions for Safe Handling

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing.
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### Conditions for Safe Storage, Including Incompatibilities

<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep/store only in original container.
<b>Incompatible Materials</b>	No further relevant information available.

## 8. Exposure Controls / Personal Protection

### Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Engineering Controls

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

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

<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 following glove materials are acceptable: Polyethylene, Polyvinyl Chloride (PVC), Neoprene, Nitrile, Polyvinyl Alcohol, Viton. Suitable protective clothing.
<b>Respiratory Protection</b>	Respiratory protection usually not needed unless product is heated or misted. Use only NIOSH-certified respiratory protection.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.

<b>9. Physical and Chemical Properties</b>
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**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Characteristic
<b>Appearance</b>	Dark yellow liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Dark yellow		
<b>Property</b>	<b>Values</b>		
<b>pH</b>	7		
<b>Melting/Freezing Point</b>	Not determined		
<b>Boiling Point/Range</b>	313 °C (595 °F)		
<b>Flash Point</b>	> 100°C (> 212°F)		
<b>Evaporation Rate</b>	Not determined		
<b>Flammability (solid, gas)</b>	Liquid – not applicable		
<b>Upper Flammability Limits</b>	7.0 Vol %		
<b>Lower Flammability Limits</b>	1.1 Vol %		
<b>Vapor Pressure</b>	5 mm Hg @ 20°C		
<b>Vapor Density</b>	Not determined		
<b>Relative Density</b>	Not determined		
<b>Specific Gravity</b>	0.95		
<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>Viscosity</b>	105 mm <sup>2</sup> /s (Kinematic at 40°C)		

<b>10. Stability and Reactivity</b>
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**Reactivity**

Not reactive under normal conditions.

**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.

**Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:****27193-86-8 p-Dodecylphenol**

- Oral LD50 5660 mg/kg (rat)
- Dermal LD50 2520 mg/kg (rabbit)

**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)

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

May cause an allergic skin reaction.

**Numerical Measures of Toxicity**

Not determined

**Symptoms Associated with Exposure**

See Section 4 of this SDS for symptoms.

**Carcinogenicity**

<b>NTP</b>	None
<b>IARC</b>	Contains an o-toluidine-based azo dye. Contains: C.I. Solvent Red 24. Metabolic studies on some azo dyes following prolonged skin or oral cavity contact have detected reduction of azo bonds to aromatic amines. This product, therefore, could potentially metabolize to o-toluidine and o-aminoazotoluene upon prolonged skin or oral cavity contact. o-Toluidine and o-aminoazotoluene have been identified as animal carcinogens.
<b>OSHA</b>	None

## 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.  
Danger to drinking water if even small quantities leak into the ground.  
Very toxic for aquatic organisms

### Aquatic Toxicity

#### **27193-86-8 p-Dodecylphenol**

- EC50 >0.1 mg/kg (rabbit) (OECD 203)

#### **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)

### 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

No further relevant information available.

## 13. Disposal Considerations

### Waste Disposal Methods

Dispose of in accordance with federal, state, and local regulations.

### 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 UN3082

### **UN proper shipping name**

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

### **Transport hazard class(es)**

: DOT  
: Class N/A

: Label NOT REGULATED  
 : IMDG, IATA  
 : Class 9 Miscellaneous dangerous substances and articles  
 : Label 9

**Packing group**

: DOT Void  
 : IMDG, IATA III

**Environmental hazards:** Product contains environmentally hazardous substances: p-Dodecylphenol

: **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

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

**Transport/Additional information:**

: DOT  
 : **Quantity limitations** On passenger aircraft/rail: No limit  
 On cargo aircraft only: No limit  
 : 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. (p-Dodecylphenol, Solvent naphtha), 9, III

**Note**

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

<b>15: Regulatory Information</b>
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**International Inventories**

**Toxic Substances Control Act** Listed

**U.S. Federal Regulations**

	<b>Chemical Name</b>	<b>CAS #</b>
<b>CERCLA</b>	Napthalene	91-20-3
<b>SARA 313</b>	None listed	<a href="#">Click here to enter text.</a>
<b>CWA (Clean Water Act)</b>	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).	-

U.S. State Regulations

	Chemical Name	CAS #
California Proposition 65	Napthalene	91-20-3

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Minnesota	Illinois
Naphthalene 91-2003	-	-	X	-	-	X

**16: Other Information**HMIS

<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
2	1	0	Not determined

NFPA

<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
2	1	0	B

<b>Issue Date</b>	09-Sep-2014
<b>Revision Date</b>	02-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**