

Issue Date: 09-Sep-2014

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Version Number: 1.5

1. Identification

Product Identifiers

Product Name: Bright Dyes® Solvent 250 Red Liquid

Product Number: 506250-R

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)
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Signal Word

Warning

Hazard-determining components of labeling:

2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-, ar-heptyl ar',ar''-Me derivs.'

Hazard Statements

Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure.



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
 Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 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

Hazard Not Otherwise Classified (HNOC)

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

3. Composition/Information on Ingredients
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Chemical Name	CAS #	Weight %
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	50 – 70
2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-, ar-heptyl ar',ar''-Me derivs	92257-31-3	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.*

4. First-Aid Measures

First-Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	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.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical attention.
Ingestion	Call a poison control center or physician immediately. Rinse mouth. Do not induce vomiting.

Most Important Symptoms and Effects

Symptoms	No further relevant information available.
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Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	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**

Personal Precautions	Use personal protective equipment as required.
Environmental Precautions	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

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

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

Advice on Safe Handling	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

Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep/store only in original container.
Incompatible Materials	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:

Eye/Face Protection	Chemical safety goggles/face shield.
Skin & Body Protection	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.
Respiratory Protection	Respiratory protection usually not needed unless product is heated or misted. Use only NIOSH-certified respiratory protection.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Characteristic
Appearance	Dark red liquid	Odor Threshold	Not determined
Color	Dark red		
<u>Property</u>	<u>Values</u>		
pH	Not determined		
Melting/Freezing Point	Not determined		
Boiling Point/Range	Not determined		
Flash Point	> 100°C (> 212°F)		
Evaporation Rate	Not determined		
Flammability (solid, gas)	Liquid – not applicable		
Upper Flammability Limits	7.0 Vol %		
Lower Flammability Limits	1.1 Vol %		
Vapor Pressure	5 mm Hg @ 20°C		
Vapor Density	Not determined		
Relative Density	Not determined		
Specific Gravity	0.95		
Solubility	Not miscible or difficult to mix		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Viscosity	100 mm ² /s (Kinematic at 40°C)		

10. Stability and Reactivity

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**

Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not ingest.
Skin Contact	May cause an allergic skin reaction.
Eye Contact	Avoid contact with eyes.

Information on toxicological effects**Acute toxicity:****LD/LC50 values that are relevant for classification:**

64742-53-6 Distillates (petroleum), hydrotreated light naphthenic

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

92257-31-3 2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazeryl]-, ar-heptyl ar',ar''-Me derivs.

Oral LD50 >5000 mg/kg (rat)

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.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

: Carcinogenic Status:

Contains an o-Toluidine-based azo dye. 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. oToluidine and o-aminoazotoluene have been identified as animal carcinogens.

: Reproductive effects:

May affect reproductive system. Contains: a version of 2-Naphthalenol,1-[[4-(phenylazo)phenyl]azo]-,arheptyl ar',ar''-me derivatives. A reproductive screening study in rats with some versions of 2-Naphthalenol,1- [[4-(phenylazo)phenyl]azo]-,ar-heptyl ar',ar''-me derivatives produced adverse effects on reproduction [ovarian atrophy; reduced litter size; reduced pup weight with no apparent abnormal morphology of the surviving pups] at 20 and 80 mg/kg/day. The relevance of these findings for humans is uncertain, but may be predictive of the potential to cause harm.

Carcinogenicity

NTP	None
IARC	None
OSHA	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.

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, ADN, IMDG, IATA N/A

UN proper shipping name

: DOT, ADN, IMDG, IATA N/A

Transport hazard class(es):

DOT, IMDG, IATA

: Class N/A

: Label NOT REGULATED

: ADN/R Class: N/A

Packing group

: DOT, IMDG, IATA N/A

Environmental hazards:

: Marine pollutant: N/A

Special precautions for user N/A

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

UN "Model Regulation": NOT REGULATED

Note

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

15: Regulatory Information**International Inventories**

Toxic Substances Control Act Listed

U.S. Federal Regulations

	Chemical Name	CAS #
CERCLA	N/A	N/A
SARA 313	N/A	N/A
CWA (Clean Water Act)	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).	
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U.S. State Regulations

	Chemical Name	CAS #
California Proposition 65	N/A	N/A

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Distillates (petroleum), hydrotreated light naphthenic 64742-53-6	-	X	-

16: Other Information**HMIS**

Health Hazards	Flammability	Instability	Special Hazards
1	1	0	Not determined

NFPA

Health Hazards	Flammability	Physical Hazards	Personal Protection
1	1	0	B

Issue Date	09-Sep-2014
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Revision Note	Bi-annual 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 a 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