

## 1. PRODUCT AND COMPANY IDENTIFICATION

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|------------------------|--|
| <b>Product Name</b>    | Rit Liquid Dyes, all Variants including ColorPerfect |
| <b>Recommended Use</b> | Dyestuff   |

**Supplier Address**

Phoenix Brands LLC  
2855 North Franklin Road, #7,  
Indianapolis, Indiana, 46219 US  
Cons Service Phone: 1-866-794-0800  
Emergency Contact: PROSAR IPC;  
Phone: 1-651-632-8955

**Company Emergency:**  
PROSAR IPC; Phone Number

1-651-632-8955

## 2. HAZARDS IDENTIFICATION

**CAUTION!**

### Emergency Overview

May Cause Skin & Eye Irritation

**Appearance** Various Colors

**Physical State** Liquid

**Odor** Slight

**Potential Health Effects**

**Principle Routes of Exposure**

Skin contact.

**Acute Toxicity**

**Eyes**

May cause irritation.

|  |   |
|--|---|
| <b>Skin</b>                              | May cause irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. |
| <b>Inhalation</b>                        | Not an expected route of exposure.  |
| <b>Ingestion</b>                         | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.                                 |
| <b>Chronic Effects</b>                   | Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.             |
| <b>Aggravated Medical Conditions</b>     | Skin disorders.   |
| <b>Interactions with Other Chemicals</b> | Irritants. Sensitizers. Epoxies.  |
| <b>Environmental Hazard</b>              | See Section 12 for additional Ecological Information.   |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name    | CAS-No    | Weight % |
|------------------|-----------|----------|
| Sodium chloride  | 7647-14-5 | 15-40    |
| Proprietary dyes | N/A       | 0-15     |
| Water            | 7732-18-5 | 60-100   |

### 4. FIRST AID MEASURES

|                           |  |
|---------------------------|--|
| <b>General Advice</b>     | If symptoms persist, call a physician.   |
| <b>Eye Contact</b>        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |
| <b>Skin Contact</b>       | Wash skin with soap and water.   |
| <b>Inhalation</b>         | Rinse mouth with water, expectorate and drink plenty of water, remove to fresh air       |
| <b>Ingestion</b>          | Rinse mouth. Drink plenty of water. Do NOT induce vomiting.                              |
| <b>Notes to Physician</b> | Treat symptomatically.   |

### 5. FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Flammable Properties</b>                       | Not Flammable.   |
| <b>Flash Point</b>                                | 250A°C/482A°F  |
| <b>Suitable Extinguishing Media</b>               | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  |
| <b>Uniform Fire Code</b>                          | <ul style="list-style-type: none"> <li>• Non-combustible liquid</li> <li>• Sensitizer: Liquid</li> </ul> |
| <b>Hazardous Combustion Products</b>              | Carbon oxides.   |
| <b>Explosion Data</b>                             |  |
| <b>Sensitivity to Mechanical Impact</b>           | Not Sensitive.   |
| <b>Sensitivity to Static Discharge</b>            | Not Sensitive.   |
| <b>Specific Hazards Arising from the Chemical</b> | none.  |

#### 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.

**NFPA**

**Health Hazard 2**

|  |                       |  |  |
|--|-----------------------|--|--|
|  | <b>Flammability</b> 1 |  |  |
|--|-----------------------|--|--|

|  |                    |  |  |
|--|--------------------|--|--|
|  | <b>Stability</b> 0 |  |  |
|--|--------------------|--|--|

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|  | <b>Physical and Chemical Hazards -</b> |  |  |
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## 6. ACCIDENTAL RELEASE MEASURES

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| <b>Personal Precautions</b>      | Use personal protective equipment.   |
| <b>Environmental Precautions</b> | Do not flush into surface water or sanitary sewer system. Refer to protective measures listed in Sections 7 and 8. |
| <b>Methods for Containment</b>   | Prevent loss. Prevent further leakage or spillage if safe to do so.  |
| <b>Methods for Cleaning Up</b>   | Dam up. Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.                |

## 7. HANDLING AND STORAGE

|                 |  |
|-----------------|--|
| <b>Handling</b> | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. |
| <b>Storage</b>  | Keep tightly closed in a dry and cool place.   |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                            |  |
|----------------------------|--|
| <b>Exposure Guidelines</b> |  |
|----------------------------|--|

| Chemical Name                        | ACGIH TLV            | OSHA PEL   | NIOSH IDLH   |
|--------------------------------------|----------------------|--|--|
| Silicon dioxide<br>7631-86-9         | 10 mg/m <sup>3</sup> | 20 mppcf TWA; ((80)/(% SiO <sub>2</sub> )) mg/<br>m <sup>3</sup> ) | IDLH: 3000 mg/m <sup>3</sup><br>TWA: 6 mg/m <sup>3</sup> |
| Particles not otherwise<br>specified | N/A                  | 50 mppcf, 15mppcf (respirable)                                     | N/A  |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

|                                  |   |
|----------------------------------|---|
| <b>Other Exposure Guidelines</b> | Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). |
| <b>Engineering Measures</b>      | Showers<br>Eyewash stations<br>Ventilation systems  |

### Personal Protective Equipment

|                                 |   |
|---------------------------------|---|
| <b>Eye/Face Protection</b>      | Tightly fitting safety goggles.   |
| <b>Skin and Body Protection</b> | Protective gloves.  |
| <b>Respiratory Protection</b>   | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |

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| <b>Hygiene Measures</b> | Handle in accordance with good industrial hygiene and safety practice. |
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                           |  |                           |
|-----------------------------------|---------------------------|--|---------------------------|
|                                   |                           |  |                           |
| <b>Appearance</b>                 | Various colors            |  |                           |
|                                   |                           | <b>Odor</b>                                | Slight.                   |
|                                   |                           |  |                           |
| <b>Odor Threshold</b>             | No information available. |  |                           |
|                                   |                           | <b>Physical State</b>                      | Aqueous liquid            |
|                                   |                           |  |                           |
| <b>pH</b>                         | No information available. |  |                           |
|                                   |                           |  |                           |
| <b>Flash Point</b>                | No information available. |  |                           |
|                                   |                           | <b>Autoignition Temperature</b>            | No information available. |
|                                   |                           |  |                           |
| <b>Decomposition Temperature</b>  | No information available. |  |                           |
|                                   |                           | <b>Boiling Point/Range<br/>c 200 F est</b> | Similar to Water.         |
|                                   |                           |  |                           |
| <b>Melting Point/Range</b>        | No information available. |  |                           |
|                                   |                           |  |                           |
| <b>Flammability Limits in Air</b> | No information available. |  |                           |
|                                   |                           |  |                           |
|                                   |                           | <b>Explosion Limits</b>                    | No information available. |

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|-------------------------|-------------------|
| <b>Water Solubility</b> | Soluble in water. |
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|--|-------------------|---------------------------|
|  | <b>Solubility</b> | No information available. |
|--|-------------------|---------------------------|

|                         |                           |
|-------------------------|---------------------------|
| <b>Evaporation Rate</b> | No information available. |
|-------------------------|---------------------------|

|  |                       |                    |
|--|-----------------------|--------------------|
|  | <b>Vapor Pressure</b> | No data available. |
|--|-----------------------|--------------------|

|                      |                    |
|----------------------|--------------------|
| <b>Vapor Density</b> | No data available. |
|----------------------|--------------------|

|  |                        |       |
|--|------------------------|-------|
|  | <b>VOC Content (%)</b> | None. |
|--|------------------------|-------|

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|---|----|--------------------|
| <b>Partition Coefficient:<br/>octanol/water</b> | n- | No data available. |
|---|----|--------------------|

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## 10. STABILITY AND REACTIVITY

|                  |                                 |
|------------------|---------------------------------|
| <b>Stability</b> | Stable under normal conditions. |
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| <b>Incompatible Products</b> | Strong oxidizing agents. Strong acids. Iron and heavy metals. Bromine trifluoride. |
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| <b>Conditions to Avoid</b> | Incompatible products. |
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| <b>Hazardous Decomposition Products</b> | Carbon oxides. May emit toxic fumes under fire conditions. Sodium oxides. Hydrogen chloride. |
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|                                 |  |
|---------------------------------|--|
| <b>Hazardous Polymerization</b> | Hazardous polymerization does not occur. |
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## 11. TOXICOLOGICAL INFORMATION

|                       |  |
|-----------------------|--|
| <b>Acute Toxicity</b> |  |
|-----------------------|--|

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| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known or supplied information. |
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|--------------------------|-----------------------------|
| <b>LD50 Oral VALUE</b>   | 3000 mg/kg (rat) estimated  |
| <b>LD50 Dermal VALUE</b> | >2000 mg/kg (rat) estimated |

|                                     |  |                      |                                   |
|-------------------------------------|--|----------------------|-----------------------------------|
| <b>LC50 Inhalation (DUST) VALUE</b> | 40,00 mg/L (mist) (dust) mg/m <sup>3</sup> estimated |                      |                                   |
| <b>Chemical Name</b>                | <b>LD50 Oral</b>                                     | <b>LD50 Dermal</b>   | <b>LC50 Inhalation</b>            |
| Sodium chloride                     | 3 g/kg ( Rat )                                       | > 10 g/kg ( Rabbit ) | > 42 g/m <sup>3</sup> ( Rat ) 1 h |

|                         |  |
|-------------------------|--|
| <b>Chronic Toxicity</b> |  |
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|                         |   |
|-------------------------|---|
| <b>Chronic Toxicity</b> | Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure. |
|-------------------------|---|

|                      |              |             |            |             |
|----------------------|--------------|-------------|------------|-------------|
| <b>Chemical Name</b> | <b>ACGIH</b> | <b>IARC</b> | <b>NTP</b> | <b>OSHA</b> |
| Silicon dioxide      |              | Group 3     |            |             |

|  |  |
|--|--|
| <b>IARC: (International Agency for Research on Cancer)</b> | Group 3 - Not Classifiable as to Carcinogenicity in Humans |
|--|--|

|                      |   |
|----------------------|---|
| <b>Sensitization</b> | May cause sensitization of susceptible persons. |
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|                             |       |
|-----------------------------|-------|
| <b>Target Organ Effects</b> | Skin. |
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## 12. ECOLOGICAL INFORMATION

|                    |  |
|--------------------|--|
| <b>Ecotoxicity</b> |  |
|--------------------|--|

The environmental impact of this product has not been fully investigated.

| Chemical Name                  | Toxicity to Algae  | Toxicity to Fish   | Toxicity to Microorganisms | Daphnia Magna (Water Flea)   |
|--------------------------------|--|--|----------------------------|--|
| Sodium chloride                |  | LC50: 5560-6080 mg/L<br>Lepomis macrochirus 96 h<br>flow-through<br>LC50: 12946 mg/L<br>Lepomis macrochirus 96 h<br>static<br>LC50: 6020-7070 mg/L<br>Pimephales promelas 96 h<br>static<br>LC50: 7050 mg/L<br>Pimephales promelas 96 h<br>semi-static<br>LC50: 6420-6700 mg/L<br>Pimephales promelas 96 h<br>static<br>LC50: 4747-7824 mg/L<br>Oncorhynchus mykiss 96 h<br>flow-through |                            | EC50: 340.7 - 469.2 mg/L<br>(48 h Static) Daphnia<br>magna<br>EC50: 1000 mg/L (48 h )<br>Daphnia magna |
| Sodium dodecylbenzenesulfonate |  | LC50: 10.8 mg/L (96 h<br>static) Oncorhynchus<br>mykiss  |                            |  |
| Silicon dioxide                | EC50: 440 mg/L (72 h )<br>Pseudokirchneriella<br>subcapitata | LC50: 5000 mg/L (96 h<br>static) Brachydanio rerio   |                            | EC50: 7600 mg/L (48 h )<br>Ceriodaphnia dubia  |

## 13. DISPOSAL CONSIDERATIONS

|   |   |
|---|---|
| <b>Waste Disposal Methods</b>           | This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. |
| <b>Contaminated Packaging</b>           | Do not re-use empty containers.   |
| <b>California Hazardous Waste Codes</b> | 181   |

## 14. TRANSPORT INFORMATION

|                 |                |
|-----------------|----------------|
| <b>DOT</b>      | Not regulated. |
| <b>TDG</b>      | Not regulated. |
| <b>MEX</b>      | Not regulated. |
| <b>ICAO</b>     | Not regulated. |
| <b>IATA</b>     | Not regulated. |
| <b>IMDG/IMO</b> | Not regulated. |
| <b>RID</b>      | Not regulated. |
| <b>ADR</b>      | Not regulated. |
| <b>ADN</b>      | Not regulated. |

## 15. REGULATORY INFORMATION

|                                  |  |
|----------------------------------|--|
| <b>International Inventories</b> |  |
|----------------------------------|--|

|                      |                  |
|----------------------|------------------|
| <b>TSCA</b>          | Complies.        |
| <b>DSL</b>           | Does not Comply. |
| <b>EINECS/ELINCS</b> | Does not Comply. |
| <b>ENCS</b>          | Does not Comply. |
| <b>IECSC</b>         | Does not Comply. |
| <b>KECL</b>          | Does not Comply. |
| <b>PICCS</b>         | Does not Comply. |
| <b>AICS</b>          | Does not Comply. |

|                                 |  |
|---------------------------------|--|
| <b>U.S. Federal Regulations</b> |  |
|---------------------------------|--|

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### **SARA 311/312 Hazard Categories**

|  |    |
|--|----|
| <b>Acute Health Hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire Hazard</b>                       | No |
| <b>Sudden Release of Pressure Hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

### **Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name                  | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium dodecylbenzenesulfonate | 1000 lb                     |                        |                           | X                          |

|  |  |
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**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name                  | Hazardous Substances RQs | Extremely Hazardous Substances RQs |
|--------------------------------|--------------------------|------------------------------------|
| Sodium dodecylbenzenesulfonate | 1000 lb                  |                                    |

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

**International Regulations****Mexico - Grade**

Slight risk, Grade 1

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

D2B Toxic materials

**16. OTHER INFORMATION****Issuing Date**

May 04 2012

**Revision Date**

16-Jan-2014 (ColorPerfect)

**Revision Note**

No information available.

**General 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**