1. Identification of the Substance/Preparation and of the Company/Undertaking

<table>
<thead>
<tr>
<th><strong>Product Identifier</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Code</strong></td>
<td>70301020</td>
</tr>
<tr>
<td><strong>Product name</strong></td>
<td>KEYAZINE™ RHODAMINE B</td>
</tr>
</tbody>
</table>

**Recommended use of the chemical and restrictions on use**

| **Synonyms** | N/A |

**Supplier's details**

<table>
<thead>
<tr>
<th><strong>Recommended use</strong></th>
<th>Industrial Use Only.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Uses advised against</strong></td>
<td>No information available</td>
</tr>
</tbody>
</table>

**Details of the Supplier of the Safety Data Sheet**

<table>
<thead>
<tr>
<th><strong>Keystone Corporate Office</strong></th>
<th>Keystone Liquid Manufacturing and Technical Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>2501 W Fulton Street</td>
<td>2165 Highway 292</td>
</tr>
<tr>
<td>Chicago, IL 60612</td>
<td>Inman, SC 29349</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Ph 312-666-2015</strong></th>
<th><strong>Ph 1-800-522-4393</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Emergency Telephone Number</strong></td>
<td></td>
</tr>
<tr>
<td>USA: 1-800-255-3924</td>
<td></td>
</tr>
<tr>
<td>China: (400-1)-400-120-0751</td>
<td></td>
</tr>
<tr>
<td>Other: Collect 1-813-248-0585</td>
<td></td>
</tr>
</tbody>
</table>

2. Hazards Identification

**Classification**

| **Serious eye damage/eye irritation** | Category 1 |

**EMERGENCY OVERVIEW**

**signal word**

DANGER

**hazard statements**

H318 - Causes serious eye damage

**appearance** greenish powder

**Physical State** Powder

**Odor** mild or none

**precautionary statements**

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician
Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION
Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>Proprietary</td>
<td>20-30</td>
<td>*</td>
</tr>
</tbody>
</table>

4. First aid measures

First aid measures for different exposure routes

Eye Contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact
Wash skin with soap and water.

INHALATION
Move to fresh air.

INGESTION
Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms
No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician
Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact
None.

Sensitivity to Static Discharge
Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

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
Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

Environmental Precautions
Environmental Precautions
Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up
Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling
Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products
None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEXTRIN 9004-53-9</td>
<td>10 mg/m³ TWA Total dust 3 mg/m³ Respirable</td>
<td>15 mg/m³ TWA Total dust 5 mg/m³ Respirable</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Exposure Controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection
Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.
9. Physical and Chemical Properties

**Physical State**  
Powder

**Odor**  
mild or none

**Property** | **VALUES** | **Remarks • Method**
--- | --- | ---
**melting point** | 4.00 | N/A
**Boiling point/boiling range** | No information available | 
**Flash Point** | No information available | 
**Evaporation Rate** | No data available | 
**flammability (solid, gas)** | no data available | no data available

**Flammability Limits in Air**
- **Upper Flammability Limit**  
No information available
- **Lower Flammability Limit**  
No information available

**vapor pressure**  
No information available

**Vapor Density**  
No information available

**Specific gravity**  
No information available

**Solubility in Other Solvents**  
No information available

**Partition coefficient: n-octanol/water**  
No information available

**Autoignition Temperature**  
No Data Available

**decomposition temperature**  
No information available

**Kinematic viscosity**  
No Data Available

**Dynamic viscosity**  
No information available

**Explosive Properties**  
No information available

**Oxidizing properties**  
No information available

**OTHER INFORMATION**

- **softening point**  
No information available

**Molecular Weight**  
No data available

**VOC Content(%)**  
No information available

**density**  
No information available

10. Stability and Reactivity

**Reactivity**
no data available

**Chemical Stability**
Stable under recommended storage conditions.

**Hazardous Reactions**
None under normal processing

**Conditions to avoid**
Extremes of temperature and direct sunlight.

**incompatible materials**
None known based on information supplied.

**Hazardous decomposition products**
May emit toxic fumes under fire conditions.

11. Toxicological Information

**Information on Likely Routes of Exposure**

**Product information**
Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION**
Avoid breathing vapors or mists.
Eye Contact  Corrosive to the eyes and may cause severe damage including blindness.

Skin Contact  Avoid contact with skin.

INGESTION  Not an expected route of exposure. Do NOT taste or swallow.

Information on Toxicological Effects

Symptoms  No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization  No information available.
Germ cell mutagenicity  No information available.
carcinogenicity  No information available.

Chemical Name  ACGIH  IARC  NTP  OSHA
Proprietary  Group 3  

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

Reproductive Toxicity  No information available.
Specific target organ systemic toxicity (single exposure)  No information available.
Specific target organ systemic toxicity (repeated exposure)  No information available.
Aspiration Hazard  No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity  100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity  100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability  No information available.

Bioaccumulation  No information available.

Other Adverse Effects  No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods  Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging  Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION
### DOT
**Description**

NOT REGULATED

### MEX

### IATA
**Description**

NOT REGULATED

### IMDG
**Description**

NOT REGULATED

### RID

### ADN

#### International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Listed</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Listed</td>
</tr>
<tr>
<td>DSL</td>
<td>Listed</td>
</tr>
<tr>
<td>NDSL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>PICCS</td>
<td>Listed</td>
</tr>
<tr>
<td>ENCS</td>
<td>Listed</td>
</tr>
<tr>
<td>IECSC</td>
<td>Listed</td>
</tr>
<tr>
<td>AICS</td>
<td>Listed</td>
</tr>
<tr>
<td>KECL</td>
<td>Listed</td>
</tr>
<tr>
<td>NZIoC</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

#### Legend

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **IECSC** - China Inventory of Existing Chemical Substances
- **AICS** - Australian Inventory of Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **NZIoC** - New Zealand Inventory of Chemicals

**REACH registration number**

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

**RESTRICTIONS - REACH TITLE VIII**

No information available

#### US Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**SARA 311/312 Hazard Categories**

**Acute health hazard**

YES.
**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).

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**
This product does not contain any Proposition 65 chemicals

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**International regulations**

**CANADA**

**WHMIS Note**
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

![T]

**HMIS**
Health Hazard 1  flammability 1  Physical hazard 0  PERSONAL PROTECTION F
16. Other Information

Revision Date 22-Sep-2015

Revision note No information available.
Restrictions on use No information available.

Contact Information Website WWW.DYES.COM.

Disclaimer
The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Material Safety Data Sheet