MATERIAL SAFETY DATA SHEET
Orange G Dye

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Orange G Dye
Synonyms: 1-Phenylazo-2-naphthol-6,8-disulfonic acid; Acid Orange 10
Company Identification: Sisco Research Laboratories Pvt. Ltd.
Andheri (East), Mumbai – 400 099.
Tel : +91 22 2687 2601
Fax : +91 22 2687 8241
Website : www.srlchem.com

2 - COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>%</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>1936-15-8</td>
<td>Orange G Dye</td>
<td></td>
<td>unlisted</td>
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</table>

3 - HAZARDS IDENTIFICATION

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

4 - FIRST AID MEASURES

4.1 Description of first aid measures
If inhaled - If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact - Wash off with soap and plenty of water.
In case of eye contact - Flush eyes with water as a precaution.
If swallowed - Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

5 - FIRE FIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media - Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, Sodium oxides

5.3 Advice for firefighters - Wear self contained breathing apparatus for fire-fighting if necessary.
6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures - Avoid dust formation. Avoid breathing vapors, mist or gas.
6.2 Environmental precautions - Do not let product enter drains.
6.3 Methods and materials for containment and cleaning up - Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 – HANDLING AND STORAGE

7.1 Precautions for safe handling - Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
7.2 Conditions for safe storage, including any incompatibilities - Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 Control parameters - Components with workplace control parameters
8.2 Exposure controls
Appropriate engineering controls - General industrial hygiene practice.
Personal protective equipment
Eye/face protection - Use equipment for eye protection tested and approved under appropriate government standards.
Skin protection - Handle with gloves. Gloves must be inspected prior to use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.
Body Protection - Choose proper body protection.
Respiratory protection – Use dust masks. Use respirators and components tested and approved under appropriate government standards.

9 - PHYSICAL AND CHEMICAL PROPERTIES

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<table>
<thead>
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<tbody>
<tr>
<td>a)</td>
<td>Form: solid</td>
</tr>
<tr>
<td>b)</td>
<td>Appearance: Orange Powder</td>
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<tr>
<td>c)</td>
<td>Molecular Formula: C16H10N2Na2O7S</td>
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<td>d)</td>
<td>Molecular Weight: 452.37</td>
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</table>

10 - STABILITY AND REACTIVITY

10.1 Reactivity - no data available
10.2 Chemical stability - no data available
10.3 Possibility of hazardous reactions - no data available
10.4 Conditions to avoid - no data available
10.5 Incompatible materials - Strong oxidizing agents
10.6 Hazardous decomposition products - no data available
11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity - no data available
Skin corrosion/irritation - no data available
Serious eye damage/eye irritation - no data available
Respiratory or skin sensitization - no data available
Carcinogenicity - This product is or contains a component that is not classifiable as to its carcinogenicity.
Specific target organ toxicity - single exposure - no data available
Specific target organ toxicity - repeated exposure - no data available
Aspiration hazard - no data available
Potential health effects
Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion May be harmful if swallowed.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Additional Information: RTECS: QJ6500000

12 - ECOLOGICAL INFORMATION

12.1 Toxicity - no data available
12.2 Persistence and degradability - no data available
12.3 Bioaccumulative potential - no data available
12.4 Mobility in soil - no data available
12.5 Results of PBT and vPvB assessment - no data available
12.6 Other adverse effects - no data available

13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14 - TRANSPORT INFORMATION

<table>
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<th>Shipping Name:</th>
<th>IATA</th>
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</thead>
<tbody>
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<td></td>
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<tr>
<td>Packing Group:</td>
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15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture - no data available
15.2 Chemical Safety Assessment -no data available

16 - ADDITIONAL INFORMATION

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