

# MATERIAL SAFETY DATA SHEET

**ALFA INDUSTRIES**

C-1,91/1,GIDC,Indl.Area,  
Phase-1,Vatva, Ahmedabad-382445,Gujarat,India  
Tel:+91-79-25831496 Fax:+91-79-25835576

Page 1 of 6

Revision Date: July 19, 2012

Product Name: Reactive Orange APN

## 1. Product and Company Identification

|                                     |   |
|-------------------------------------|---|
| <b>Product Name</b>                 | Synthetic Organic Dyes<br>For industrial use  |
| <b>C.I.No.</b>                      | Reactive Orange 13  |
| <b>Manufacturer Information</b>     | ALFA INDUSTRIES<br>C-1,91/1,GIDC,Indl.Area,Phase-1,<br>Vatva, Ahmedabad-382445,<br>Gujarat, India |
| <b>Manufacturer Contact Details</b> | <b>Tel:</b> +91-79-25831496<br><b>Fax:</b> +91-79-25835576  |

## 2. Information on Ingredients

|                       |            |
|-----------------------|------------|
| <b>Substance Name</b> |            |
| <b>CAS No.</b>        | 12225-85-3 |

## 3. Hazards Identification

### Symptoms Relating to Use

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause sensitization by inhalation  |
| <b>Skin Contact</b> | Not expected to present a significant skin hazard under anticipated conditions of normal use.      |
| <b>Eye Contact</b>  | Not expected to present significant eye contact hazard under anticipated conditions of normal use. |
| <b>Ingestion</b>    | Not expected to present a significant ingestion hazard under anticipated condition of normal use.  |

## 4. First Aid Measures

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Page 2 of 6

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|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Remove to fresh air   |
| <b>Skin Contact</b> | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water and rinse. |
| <b>Eye Contact</b>  | After contact with eyes, rinse immediately with plenty of water and seek medical advice.                            |
| <b>Ingestion</b>    | Treat Symptomatically   |

### 5. Fire-Fighting Measures

|                                 |  |
|---------------------------------|--|
| <b>Extinguishing Media</b>      | Water, Spray, Dry Chemical, CO <sub>2</sub> , foam   |
| <b>Special Exposure Hazards</b> | High temperature may literate toxic gases when mixed with and exposed to an ignition source, dust may burn in the open or explode if confined. |
| <b>Protection Against Fire</b>  | Wear proper protective equipment   |

### 6. Accidental Release measures

|                                  |  |
|----------------------------------|--|
| <b>Personal Precautions</b>      | Wear suitable protective clothing and gloves   |
| <b>Environmental Precautions</b> | Comply with local regulations for disposal. Notify authorities if product enters sewers or public waters. Avoid (reject) fire fighting water to enter environment. |
| <b>After Spillage/Leakage</b>    | Sweep or shovel spills into appropriate container for disposal   |

### 7. Handling and Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep away from heat. Keep container closed when not in use. |
| <b>Handling</b> | Handle in accordance with good industrial hygiene           |

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Page 3 of 6

Revision Date: July 19, 2012

Product Name: Reactive Orange APN

and safety procedures. Avoid all unnecessary exposure.

### 8. Exposure controls/Personal protection

#### Personal Protection

#### Respiratory Protection

Approved dust or mist respirator should be used if airborne particulate is generated when handling this material.

#### Skin Protection

Gloves

#### Eye Protection

Chemical Goggles or Safety Glasses

#### Ignition

When using, do not eat, drink or smoke

#### Industrial Hygiene

Local exhaust and general room ventilation are both essential to prevent accumulation of flammable vapor or dust moisture.

### 9. Physical and chemical properties

|                              |                   |
|------------------------------|-------------------|
| Appearance                   | Powder            |
| Physical State               | Powder            |
| Color                        | Orange            |
| Odour                        | Odorless          |
| pH Value                     | 4.5 – 6.5         |
| Initial Boiling Point (0° C) | No data available |
| Density (kg/m <sup>3</sup> ) | 600 – 800         |
| Vapor Pressure (hPa)         | Not applicable    |
| Solubility in Water (g/l)    | >100 g/l (25° C)  |

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Page 4 of 6

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|                                  |                   |
|----------------------------------|-------------------|
| Flash Point (0° C)               | Not applicable    |
| Auto-ignition Temperature (0° C) | No data available |
| Explosion Limits-Lower(%)        | No data available |
| Explosion Limits-Upper(%)        | No data available |

### 10. Stability and Reactivity

|                         |  |
|-------------------------|--|
| Hazardous Decomposition | On exposure to high temperature, may decompose, releasing toxic vapors |
| Hazardous Reactions     | Stable   |
| Hazardous Properties    | None under normal conditions   |
| Materials to Avoid      | Strong reducing agents. Oxidizing agent                                |

### 11. Toxicological Information

|                               |                   |
|-------------------------------|-------------------|
| Rat Oral LD50 (mg/kg)         | >5000             |
| Rabbit Dermal LD50 (mg/kg)    | No data available |
| Rat Inhalation LC50 (mg/l/4h) | No data available |
| Dermal Irritation (rabbit)    | Not an irritant   |
| Eyes Irritation               | Slightly irritant |

### 12. Ecological Information

|                     |                   |
|---------------------|-------------------|
| L. ides LC50 (mg/l) | 1000 – 48h        |
| WGK Class (Germany) | No data available |
| Biodegradation (%)  | No data available |

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Page 5 of 6

Revision Date: July 19, 2012

Product Name: Reactive Orange APN

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### 13. Disposal considerations

#### Disposal

Dispose in a safe manner in accordance with local/national regulations. Completely empty contents of drums before discarding them.

### 14. Transport Information

#### General Information

By Air

### 15. Regulatory Information

#### Symbol (s)

Harmful

#### R Phrase (s)

None

#### S Phrase (s)

None

### 16. Other Information

#### Recommended uses

Restrictions sensitization in some individuals. And it is advisable to avoid breathing aerosol. And dust persons who suffer from asthmatic or breathing problems should not handle this dye.

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**Page 6 of 6****Revision Date:** July 19, 2012**Product Name:** Reactive Orange APN

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