

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

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Revision Date: July 19, 2012

Product Name: Reactive Orange ME2RL

1. Product and Company Identification

| | |
|-------------------------------------|---|
| Product Name | Synthetic Organic Dyes For industrial use |
| C.I.No. | Reactive Orange 122 |
| Manufacturer Information | ALFA INDUSTRIES C-1,91/1,GIDC,Indl.Area,Phase-1, Vatva, Ahmedabad-382445, Gujarat, India |
| Manufacturer Contact Details | Tel: +91-79-25831496 Fax: +91-79-25835576 |

2. Information on Ingredients

| | |
|-----------------------|------------|
| Substance Name | |
| CAS No. | 79809-27-1 |

3. Hazards Identification

Symptoms Relating to Use

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

4. First Aid Measures

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

5. Fire-Fighting Measures

| | |
|---------------------------------|--|
| Extinguishing Media | Water, Spray, Dry Chemical, CO ₂ , foam |
| Special Exposure Hazards | 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. |
| Protection Against Fire | Wear proper protective equipment |

6. Accidental Release measures

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

7. Handling and Storage

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

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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/m³)

600 – 800

Vapor Pressure (hPa)

Not applicable

Solubility in Water (g/l)

>100 g/l (25° C)

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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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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.

The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC

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