

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 Blue BRF

1. Product and Company Identification

Product Name	Synthetic Organic Dyes For industrial use
C.I.No.	Reactive Blue 221
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.	93051-41-3

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 liberate 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

Blue

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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