

MATERIAL SAFETY DATA SHEET

Section 1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product Name : REACTIVE ORANGE M2R
C. I. Name : Reactive Orange 4
CAS No. : 12225-82-0

Company Identification:

ALLIANCE ORGANICS LLP.
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Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Content
Reactive Orange 4	12225-82-0	100%

Section 3 - HAZARDS IDENTIFICATION

Inhalation : Dust may irritate and may cause sensitization
Eye Contact : May cause irritation to eyes
Skin Contact : May cause sensitization

Section 4 - FIRST AID MEASURES

In case of swallowing : Symptomatic treatment
In case of inhalation : Remove to fresh air, symptomatic treatment
In case of contact with Eyes : Rinse immediately with plenty of water for atleast 15 minutes and seek medical advice
In case of contact with Skin : Wash with plenty of water

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media : Suitable – Water Mist, Foam, Carbon, Carbon – Dioxide And Dry Agent.
If involved in Fires : In common with most organic substances. It will burn if involved in a fire and may give off noxious fumes (E.G. Carbon & Nitrogen Oxides)
Therefore Use Breathing Apparatus.

Section 6 - Accidental Release Measures

Observe any warning labels on the drum (See Sections 14 & 15) and take appropriate (See Section 8). Sweep and soak up any spilled material immediately with non-flammable dry agent (sand, earth etc.) and shovel into containers for disposal (see section 13). Remove contaminated clothing and launder or dry clean before reuse.

Section 7 - Handling And Storage

Handling : When handling all chemicals, observe good standards of hygiene to avoid swallowing, inhaling dust and eye and skin contact by the use of suitable personal protective equipment. It is advisable always to wear hand protection when handling chemicals in particular gloves and goggles should be worn.
Storage : Store In A Cool, Ventilated Area.

Section 8 - Exposure Control/Personal Protection

General : As with powders it may form dust clouds in air. Prevent dust collection by regular cleaning and the use of good ventilation and extraction systems. Keep personal exposure below 10 mg/m³ (8hrtwa) for total inhalable dust and below 5 mg/m³ for total respirable dust 8hrtwa) Otherwise use respirator or suitable alternative respiratory protection.

Respiratory: Dust mask also see 8.1, 8.3 Hand : Gloves Goggle 8.5 Skin : See 7.1

Section 9 - Physical And Chemical Properties

Appearance	:	Orange Powder
Odour	:	Slight
pH	:	6.5 - 9
Boiling Point	:	N/A
Melting Point	:	N/A
Flash Point	:	N/A
Flammability	:	N/A
Auto – Flammability	:	N/A
Explosive	:	Not Explosive
Oxidising Properties	:	N/D
Vapour Pressure	:	N/A
Relative Density	:	N/K
Solubility	:	Soluble in Water 100 gms per litre.
Fat	:	N/D Partition
Coefficient	:	N/D
Other Data	:	None

Section 10 - Stability And Reactivity

Conditions to avoid	:	None Known
Materials to avoid	:	None Known
Hazardous decomposition products	:	None Known

Section 11 - Toxicological Information

Based in information on similar or identical products. This dye is unlikely to be harmful on swallowing (E.G. Ld₅₀>2000 Mg/Kg in Rats) and is unlikely to be irritating to the skin. However it may be irritating to the eyes.

Section 12 - Ecological Information

As a water soluble dye, its pressure in the aquatic environment will be obvious by its colour. Not readily biodegradable, but may be removed by sewage digestion processes. Treat to remove dye before discharge to lakes or rivers. Fish Toxicity Lc > 500mg/l. Test Species – Rainbow Trout. Testing Time – 49 Hrs. 50% Inhibition of waste water bacteria. Bacteria elimination 50-100% Toc Static Method.

Section 13 - Disposal Considerations

Users should acquaint themselves with local regulations. Disposal is usually carried out by burying at an approved tip or by burning under controlled conditions at a licensed waste processor (See 5.2)

Section 14 - Transport Information

Proper Shipping Name	:	N/A
Un Number	:	N/A
Symbol	:	N/A
Hazard Class	:	N/A
Packing Group	:	N/A
ADR/RID	:	N/A
IATA/DGR Limits	:	N/A

Section 15 - Regulatory Information

Reference in annex 1 to 67/548/sec components which lead to danger classification : See 2

Warning Symbols	:	XI
Warning Words	:	Irritant
Risk Phrases : R36	:	Irritating to eyes.
Safety Phrases : S22	:	Do not breathe dust
S51	:	Use only in well ventilated areas
S26	:	In case of contact with eyes rinse with plenty of water and seek medical advice.

Section 16 - Other Information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations. The information given and the recommendations made herein apply to our product alone and not combined with other products. Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchasers' responsibility before using any product to verify these data under their own operating conditions and to determine. If the product is suitable for their purposes.