

MATERIAL SAFETY DATA SHEET

Section 1 - PRODUCT AND OF THE COMPANY INFORMATION

Product Details:

Product Name : **PIGMENT RED 4**

C.I. No: 12085

CAS No: 2814-77-9

EINECS No : 220-562-2

Chemical characterization : 1-[(2-chloro-4-nitrophenyl)azo]-2-Naphthalenol

Company Identification:

ALLIANCE ORGANICS LLP.

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Section 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Content%	Hazardous
PIGMENT RED 4	100	NO

Section 3 - HAZARDS IDENTIFICATION

Hazard designation : Not classified as hazardous.

Information pertaining to particular dangers for man and environment : Non hazardous to man and environment

Classification System : None

Additional Information : Risk of dust explosion.

Section 4 - FIRST AID MEASURES

General Information : No special measures required.

On inhalation : If inhaled move to fresh air, aid in breathing. If necessary, get medical attention.

On skin contact : Wash affected skin with soap and water.

On contact with eyes : Flush eyes with plenty of flowing water. If irritation develops consult oculist.

On ingestion : If swallowed, rinse mouth, drink plenty of water and induce vomiting. Get immediate medical attention.

Section 5 - FIRE FIGHTING MEASURES

Suitable extinguishing agent/s : Water mist, Extinguishing powder, CO₂

Special exposure hazards : After combustion likely chances of gases like oxides of Carbon and Nitrogen. May emit noxious and toxic fumes.

Special protective equipment for fire-fighters : Wear self contained breathing apparatus and wear full protective suit.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal safety precautions : Do not ingest or breathe in. Avoid contact with eyes and skin.

Measures for environmental protection : Prevent contamination of drains, surface waters, and soil. Pigment is generally insoluble in water.

Method for cleaning up / collecting : Collect mechanically. Dispose off contaminated material as waste according to item 13. Clean accident area carefully. Use warm water and cleaning agent.

Section 7 - HANDLING & STORAGE

Handling : Prevent formation of dust. Take precautionary measure against electrostatic charges – Earthing is necessary during loading operation. Avoid exposure to open flame or spark. Avoid contact with eyes and skin.

Storage : 1) A moderately dry, well-ventilated area is considered to be adequate for handling and storage.

2) Protect from extreme heat and cold. Keep away from sources of ignition. Avoid dust formation.

Specific Use : Used as coloring matter in Paints

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures : Where suitable engineering controls are not fitted or are inadequate, wear suitable personal protective equipment.

Exposure limit values : 4 mg/m³ (MAK-Vf)

Total inhalable dust : 1.5 mg/m³ (MAK-Vf)

Respirable dust : Use safety goggles, aprons and gloves.

Suitable personal protective equipments

Breathing : equipment Wear suitable respiratory protective equipment

Hand protection : Wear suitable gloves; Nitrile rubber.

Eye protection : Wear safety goggles, safety glasses or face shield.

Skin protection : Wear suitable, impervious clothing – overalls.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form :	Powder
Color :	Yellowish Red
Odor :	Odorless
pH (10g / 250ml H ₂ O) :	4 - 7
Boiling point / Boiling range :	Not known
Melting point / Melting range :	278°C
Flash point :	Not applicable
Ignition temperature :	Not known
Flammability :	Not applicable
Organic Solvents :	EU / VOC 20oC : 0%
Danger of explosion :	Product is not explosive. However, formation of air / dust mixture is possible.
Oxidizing property :	Not applicable
Vapour pressure :	Not applicable
Relative density :	1.60 ± 0.1
Water solubility :	Insoluble
Solvent solubility :	Insoluble
Partition coefficient : (n-Octanol / Water)	Not applicable
Viscosity :	Not applicable
Vapour density :	Not applicable
Evaporation rate :	Not applicable
Auto ignition temperature :	Not known

Section 10 - STABILITY AND REACTIVITY

Stability of product : This product is stable under normal storage condition.

Dangerous reaction : Risk of dust explosion.

Materials to avoid : Exposure to strong acids, bases and oxidizing agents should be avoided, which otherwise will cause discoloration. This does not affect the safety of the product.

Dangerous product of decomposition : Under fire condition, this material may emit irritating and toxic fumes including oxides of nitrogen and carbon

Conditions to Avoid : Not available.

Section 11 - TOXICOLOGICAL INFORMATION

Acute toxicity : LD50/oral/rat - ≥ 5000 mg/kg

Skin irritation : Not irritant

Eyes irritation : Inhalation Not irritant

Sensitization : No data. Unlikely to be hazardous by inhalation.

Long term toxicity : Not a sensitizer.

Mutagenicity : No data available. However no adverse effect in humans is expected at levels below the occupational exposure limit and when the product is handling and used according to recommendations.

Negative

Additional toxicology information : When used and handled according to recommendations, the product does not have any harmful effects according to our experience and available information.

Section 12 - ECOLOGICAL INFORMATION

Other information : Due to insolubility of the product in water a biodegradation is not likely.

Ecotoxic effects - Toxicity to fish Toxicity to daphnids (acute) : Data not available

AOX indication : Data not available

(Remark – The product is anticipated to be substantially removed by mechanical treatment.)

Mobility -Surface tension

Absorption : Not applicable

Desorption : Not applicable

Elimination information (Persistence & Degradability) : This pigment is considered to be generally insoluble in water, biodegradability is not likely.

Other information : Contains approx. 10-11% organically bound Halogens. This can increase AOX – Values in water purification plants if it reaches the water.

Section 13 - DISPOSAL INFORMATION

Waste disposal should be carried out according to local, state or national legislation.

Section 14 - TRANSPORT INFORMATION

UN No. : None

GGV IMDG Code : None

RID / ADR : None

ICAO / IATA-DGR : None

Section 15 - REGULATORY INFORMATION

Designation according to EC guidelines : Not classified as “dangerous”.

Code letter and hazard designation of product : Not classified as “dangerous”.

Hazard Symbol / Classification : None

R phrases : None

S phrases : S22: Do not breathe dust.

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.