



Material Safety Data Sheet

1. Identification of substance / preparation and of the company / undertaking

Product Name	:	Pigment Orange 64
Trade Name	:	Navfast Orange 9020
Company	:	Navpad Pigments Private Limited. Survey No: 2135 (Old Survey No. 1196), Village Rajpur, Chhatral-Mehsana Highway, Ta. Kadi, Dist. Mehsana 382715, Gujarat, India
Telephone No.	:	+ 91 70 690 24447
Email	:	sales@navpadpigments.com

2. Hazard Identification

Hazard designation	Not classified as hazardous.
Information pertaining to particular dangers for man and environment	Nonhazardous to man and environment.
Classification System	None
Additional Information	Risk of dust explosion.
Transport classification	(See item 14)

3. Composition / Information on ingredients

Chemical characterization	2,4,6(1H,3H,5H)-Pyrimidinetrione,5-((2,3-dihydro-6-methyl-2-oxo-1-benzimidazol-5-yl)azo)-
Identification number(s)	
Color Index Name	Pigment Orange 64
C.I. Constitution No.	12760
CAS No	72102-84-2
EINECS Number	276-344-2
TSCA	All components of the product are listed
Dangerous components	None



NAV PAD PIGMENTS PVT. LTD.

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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.

5. Fire Fighting Measures

Suitable extinguishing agent/s	Water mist, Extinguishing powder, CO ₂
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

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.

7. Handling and 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 Plastics.



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8. Exposure Controls and Personal Protection

Engineering Measures	Where suitable engineering controls are not fitted or are inadequate, wear suitable personal protective equipment
Exposure limit values	4 mg/m ³ (MAK-Vf)
Total inhalable dust	1.5 mg/m ³ (MAK-Vf)
Respirable dust	Use safety goggles, aprons and gloves.

Suitable personal protective equipment

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.

9. Physical and Chemical Properties

Form	Powder
Color	Orange
pH (10g / 250ml H ₂ O)	4 – 7
Boiling point / Boiling range	Not known
Melting point / Melting range	250 °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	1.90 ± 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



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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.

11. Toxicological Information

Acute toxicity	LD50/oral/rat - ≥ 2000 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.
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.

12. Ecological Information

Other information	Due to insolubility of the product in water a biodegradation is not likely
Ecotoxical 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	None



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13. Disposal Information

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

14. Transport Information

UN No.	None
GGV IMDG Code	None
RID / ADR	None
ICAO / IATA-DGR	None
Custom Tariff No	32041720 (This material is not dangerous for transportation)

15. Regulatory Information (Classification according to EC Directives)

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

16. Other Information

"The data contained in this safety data sheet are based on our current knowledge, experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis nor Technical Data Sheet and should not be construed as Specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure compliance with existing laws & legislations and observance of any proprietary rights as may be applicable. Due to possible changes in our products & applicable national and international regulations and laws, the status of our products could change. It cannot be ruled out that this product contains particles < 0.1 µm.."



CIN No: U24220GJ1998PTC033736

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