

Pigment Red 3

Company Information

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Product Identification

【Product Name】

Pigment Red 3

【Synonyms】

1-(4-Methyl-2-nitrophenylazo)-2-naphthol

C.I. 12120

Pigment red 3

【CAS】

2425-85-6

【Formula】

C₁₇H₁₃N₃O₃

【Molecular Weight】

307.33

【EINECS】

219-372-2

【RTECS】

QK4247000

【RTECS Class】

Tumorigen; Mutagen

【Beilstein/Gmelin】

962341

【Beilstein Reference】

4-16-00-00233

Physical and Chemical Properties

【Appearance】

Yellowish-red to red powder or solid.

【Solubility in water】

Insoluble

【Melting Point】

278

【Partition Coefficient】

4.55

【Usage】

Used in manufacture of paints, inks, plastics, rubber, textile printing.

First Aid Measures

【Ingestion】

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

【Inhalation】

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

【Skin】

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

【Eyes】

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Handling and Storage

【Storage】

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

【Handling】

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Hazards Identification

【Ingestion】

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

【Inhalation】

May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

【Skin】

May cause skin irritation.

【Eyes】

May cause eye irritation.

Exposure Controls/Personal Protection

【Personal Protection】

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

【Respirators】

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Fire Fighting Measures

【Fire Fighting】

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Extinguishing media: Use agent most appropriate to extinguish fire. In case of fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

【Fire Potential】

This material is probably combustible.

Accidental Release Measures

【Small spills/leaks】

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty conditions. Provide ventilation.

Stability and Reactivity

【Incompatibilities】

Oxidizing agents.

【Stability】

Stable under normal temperatures and pressures.

【Decomposition】

Carbon monoxide, oxides of nitrogen, irritating and toxic fumes and gases, carbon dioxide.