MATERIAL SAFETY DATA SHEET

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PRODUCTS: *o*-Phthalaldehyde **Cat. No.** O120

Section I – General

CAS #: [*643-79-8*]
FORMULA: $C_6H_4(CHO)_2$
CHEMICAL NAME: *o*-Phthalaldehyde
SYNONYMS: Phthalic dicarboxaldehyde; *o*-phthaldialdehyde
CHEMICAL FAMILY: Aldehyde

Section II – Hazardous Ingredients

1: 99.9 + % *o*-Phthalaldehyde

Section III – Physical Data

MELTING POINT: 56°C
BOILING POINT: Not available
APPEARANCE: Pale yellow crystals
ODOR: Slight odor
SOLUBILITY: Soluble in alcohol; slightly soluble in water (0.62gm/100mL)
VAPOR PRESSURE: Approx. 5mm Hg @ 108°C
AIR SENSITIVE: Yes
LIGHT SENSITIVE: Yes

Section IV – Toxicity Data

RTECS #: TH6950000
RTECS NAME: Phthalaldehyde
REVIEWS: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data are presented here. Refer to actual entry in RTECS for complete information.

Section V – Health Hazards and First Aid

ACUTE EFFECTS: Will irritate skin, eyes, and mucous membranes.
CHRONIC EFFECTS: Not thoroughly established
EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes; assure adequate flushing by separating eyelids with fingers. Call a physician immediately.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention.

INHALATION: Remove to fresh air. If breathing becomes difficult, get medical help.

INGESTION: If conscious, give 1–2 glasses of milk or water; do not induce vomiting. Call a physician immediately.

Section VI – Fire and Explosion Hazards

FLASHPOINT (Method used): Not applicable

EXTINGUISHING MEDIA: Water spray; dry chemical; carbon dioxide; alcohol or polymer foam.

FIREFIGHTING PROCEDURE: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL HAZARDS & EXPLOSIVE PROPERTIES: This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Section VII – Reactivity

GENERAL: Stable

INCOMPATIBILITIES: Keep from contact with oxidizers.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Will not occur.

Section VIII – Spill or Leak Procedures

SPILL PROCEDURE: Wear eye protection and gloves. Clean up with rags, paper towels, sponge; place in a bag and hold for waste disposal. Ventilate area and wash spill-site with soap and water.

WASTE DISPOSAL: This product may be mixed or dissolved in a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local regulations.

Section IX – Precautions for Handling and Storage

SAFETY EQUIPMENT: Chemical safety goggles, vinyl / latex / or rubber gloves, safety-shower with eye-wash.

HANDLING PROCEDURES: Avoid eye and skin contact. Do not ingest. Wear safety glasses and gloves.

STORAGE PROCEDURES: Store at room temperature, preferably inside a desiccator.

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