Section 1 - Product and Company Information

Product Name: Terephthalic aldehyde, 99%
Product Number: T2207
Brand: Sigma-Aldrich
Company: Sigma-Aldrich
Street Address: 3050 Spruce Street
City, State, Zip, Country: SAINT LOUIS, MO 63103 US
Technical Phone: 800-325-5532
Emergency Phone: 314-776-6555
Fax: 800-325-5552

Section 2 - Composition/Information on Ingredient

Substance Name: Terephthalaldehyde
CAS #: 823-97-8
SARA 313: No
EC No: 210-784-8
Annex I Index Number: No

Formula: C6H6O2
Synonyms: p-Benzilidene, 1,4-benzenedicarboxylic aldehyde (SICI), 1,4-Diformylbenzene, p-Formylbenzaldehyde, p-Benzaldehyde, Terephthaldehydes (French), Terephthalic aldehyde

Section 3 - Hazards Identification

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Dermal Exposure: In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

Flash Point: 168.8 °F
Autoignition Temp: 76 °C

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s): PPE: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 7 - Handling and Storage

Handling: User Exposure: Avoid inhalation. Avoid contact with skin and clothing. Avoid prolonged or repeated exposure.
Storage: Suitable: Keep tightly closed. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment: Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from dust or levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.
Hand: Compatible chemical-resistant gloves.
Eye: Chemical safety goggles.

Section 9 - Physical/Chemical Properties

Appearance: Color: Faintly yellow
Form: Powder
Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Discrete or mix the material with a combustible solvent and burn in a chemical incinerator equipped with a scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT

Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

EU Additional Classification
Safety Statements: S: 22 24/25
Do not breathe dust. Avoid contact with skin and eyes.

United States Regulatory Information
SARA Listed: No

TSCA Inventory Item: Yes

Canada Regulatory Information
WHMIS Classification
This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: No
NDSL: Yes

Section 16 - Other Information

Disclaimer
For R&D use only. Not for drug, household or other uses.

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2006 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.