



## Material Safety Data Sheet

Terephthalic Acid, 98%

MSDS# 57330

### Section 1 - Chemical Product and Company Identification

MSDS Name: Terephthalic Acid, 98%

Catalog Numbers: AC180720000, AC180720010, AC180720050, AC180721000, AC180722500, AC180725000

Synonyms: P-Benzenedicarboxylic acid; 1,4-Benzenedicarboxylic acid

Company Identification:

Acros Organics BVBA  
Janssen Pharmaceuticaaan 3a  
2440 Geel, Belgium

Company Identification: (USA)

Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410

For information in the US, call:

800-ACROS-01

For information in Europe, call:

+32 14 57 52 11

Emergency Number, Europe:

+32 14 57 52 99

Emergency Number US:

201-796-7100

CHEMTREC Phone Number, US:

800-424-9300

CHEMTREC Phone Number, Europe:

703-527-3887

### Section 2 - Composition, Information on Ingredients

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CAS#: 100-21-0  
Chemical Name: Terephthalic Acid  
%: 98%  
EINECS#: 202-830-0  
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Hazard Symbols: XI



Risk Phrases: 36/37/38

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Warning! Causes eye, skin, and respiratory tract irritation. Target Organs: Respiratory system, eyes, skin.

#### Potential Health Effects

Eye: Causes eye irritation.  
Skin: Causes slight skin irritation.  
Ingestion: May cause irritation of the digestive tract.  
Inhalation: Causes respiratory tract irritation.  
Chronic: No information found.

### Section 4 - First Aid Measures

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

**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**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 immediately.

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

**Notes to Physician:**

#### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, 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:** Water or foam may cause frothing. Use carbon dioxide or dry chemical.

**Autoignition Temperature:** 496.1 deg C ( 924.98 deg F)

**Flash Point:** Not available

**Explosion Limits:** Not available

**Lower:** Not available

**Explosion Limits:** Not available

**Upper:** Not available

**NFPA Rating:** health: 0; flammability: 1; instability: 0;

#### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

#### Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

#### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Terephthalic Acid	10 mg/m3	none listed	none listed

OSHA Vacated PELs: Terephthalic Acid: None listed

**Engineering Controls:**

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Exposure Limits**

**Personal Protective Equipment**

**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:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

#### Section 9 - Physical and Chemical Properties

Physical State: Solid

Color: off-white - white

Odor: Not available

pH: Not available

Vapor Pressure: < 0.01 mm Hg @20 deg C

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: Not available

Freezing/Melting Point: > 300 deg C (> 572.00°F)

Decomposition Temperature: Not available

Solubility in water: Insoluble in water.

Specific Gravity/Density:

Molecular Formula: C<sub>6</sub>H<sub>4</sub>(COOH)<sub>2</sub>

Molecular Weight: 166.0396

#### Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, dust generation, strong oxidants.
Incompatibilities with Other Materials	Not available
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, carbon dioxide.
Hazardous Polymerization	Has not been reported.

#### Section 11 - Toxicological Information

RTECS#:	CAS# 100-21-0: WZ0875000
	RTECS:
	<b>CAS# 100-21-0:</b> Draize test, rabbit, eye: 500 mg/24H Mild;
LD50/LC50:	Oral, mouse: LD50 = 3200 mg/kg;
	Oral, rat: LD50 = >6400 mg/kg;
	.
	Other: Oral LD50 (RAT) = 18,800
Carcinogenicity:	Terephthalic Acid - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	Standard Draize test: Administered onto eye, rabbit=50mg/24H (Mild)

#### Section 12 - Ecological Information

Other:	No information available.
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#### Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

#### Section 14 - Transport Information

US DOT

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

#### Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 100-21-0: 0

Canada

CAS# 100-21-0 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 100-21-0 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 100-21-0 is listed on the TSCA  
Inventory.

#### Section 16 - Other Information

MSDS Creation Date: 11/24/1998

Revision #5 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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