

MATERIAL SAFETY DATA SHEET

TEREPHTHALIC ACID

Section 1 - Chemical Product and Company Identification

MSDS Name:	TEREPHTHALIC ACID
Synonyms:	1,4-Benzenedicarboxylic acid
Company Identification: (INDIA)	Veritas House, 70 Mint Road, Fort, Mumbai - 400 001. INDIA
For information in the INDIA, call:	Tel: +91 - 22 - 2275 5555 / 6184 0000, Fax: +91 - 22 - 2275 5556 / 6184 0001

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
100-21-0	TEREPHTHALIC ACID	99%	202-830-0
Hazard Symbols:	None listed		
Risk Phrases:	None listed		

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Not available

Potential Health Effects

Eye:	May cause eye irritation.
Skin:	May cause skin irritation.
Ingestion:	May cause irritation of the digestive tract. 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.
Chronic:	

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.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
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.
Extinguishing Media:	In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container.

Section 7 - Handling and Storage

Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage:	Store in a cool, dry place. Keep container closed when not in use.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	
	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Exposure Limits	
	CAS# 100-21-0:
	Belgium - TWA: 10 mg/m ³ VLE
	Malaysia: 10 mg/m ³ TWA
	Netherlands: 10 mg/m ³ MAC
	Spain: 10 mg/m ³ VLA-ED

Personal Protective Equipment

Eyes:	Wear safety glasses and chemical goggles if splashing is possible.
Skin:	Wear safety glasses and chemical goggles if splashing is possible.
Clothing:	Wear appropriate protective clothing to minimize contact with skin.
Respirators:	Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Section 9 - Physical and Chemical Properties

Physical State:	Crystalline powder
Color:	white
Odor:	Not available
pH:	Not available
Vapor Pressure:	< 0.01 mm Hg @ 20 deg C
Viscosity:	Not available
Boiling Point:	Not available
Freezing/Melting Point:	> 300 deg C (> 572.00°F)
Autoignition Temperature:	Not available
Flash Point:	Not available
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
Decomposition Temperature:	Not available
Solubility in water:	insoluble
Specific Gravity/Density:	
Molecular Formula:	C ₈ H ₆ O ₄

Molecular Weight:	166.13
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Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, exposure to moist air or water.
Incompatibilities with Other Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization	Has not been reported.

Section 11 - Toxicological Information

RTECS#:	CAS# 100-21-0: WZ0875000
LD50/LC50:	RTECS: CAS# 100-21-0: Draize test, rabbit, eye: 500 mg/24H Mild; Oral, mouse: LD50 = 3200 mg/kg; Oral, rat: LD50 = >6400 mg/kg;
Carcinogenicity:	TEREPHTHALIC ACID - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not available	Not available	Not available
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: Not available
Risk Phrases:
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
US Federal
➤ TSCA
CAS# 100-21-0 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date:	July 25, 2015
Revision #1 Date	

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