



MATERIAL SAFETY DATA SHEET

TEREPHTHALIC ACID

Section 1: Chemical Product And Company Identification

Product Name:	Terephthalic Acid
CAS #	100-21-0
Synonym:	1,4-Benzenedicarboxylic Acid
Chemical Formula:	C ₈ H ₆ O ₄

Company Identification:	Hazel Mercantile Limited
Company Identification: (INDIA)	701/712 A, Embassy Centre, Nariman Point, Mumbai - 400 021.
For information in the INDIA, call:	+91 - 22 - 2282 4444 (50 Lines)

Section 2: Composition and Information on Ingredients Composition:

Name:	Terephthalic Acid
CAS #	100-21-0
% By Weight :	100
Toxicological Data On Ingredients:	Terephthalic Acid: Oral (Ld50): Acute: 6400 Mg/Kg [Rat]. 3200 Mg/Kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:	Hazardous In Case Of Skin Contact (Irritant), Eye Contact (Irritant), Ingestion, Inhalation (Lung Irritant).
Potential Chronic Health Effects:	Carcinogenic Effects: Classified None. By OSHA, None by NIOSH
Mutagenic Effects:	Not Available.
Teratogenic Effects:	Not Available
Developmental Toxicity:	Not Available

The Substance Is Toxic To Blood, Kidneys, Liver, Bladder, Brain, Cardiovascular System, Eyes, Nutritional and Gross Metabolic, Ears, Nose/Sinuses, Throat. Repeated Or Prolonged Exposure To The Substance Can Produce Target Organs Damage.

Section 4: First Aid Measures

Eye Contact:	Check For And Remove Any Contact Lenses. Do Not Use An Eye Ointment. Seek Medical Attention
Skin Contact:	After Contact With Skin, Wash Immediately With Plenty Of Water. Gently And Thoroughly Wash The Contaminated Skin With Running Water And Non-Abrasive Soap. Be Particularly Careful To Clean Folds, Crevices, Creases And Groin. Cover The Irritated Skin With An Emollient. If Irritation Persists, Seek Medical Attention. Wash Contaminated Clothing Before Reusing.



Serious Skin Contact:	Wash With A Disinfectant Soap And Cover The Contaminated Skin With An Anti-Bacterial Cream. Seek Medical Attention.
Inhalation:	Allow The Victim To Rest In A Well Ventilated Area. Seek Immediate Medical Attention
Serious Inhalation:	Not Available
Ingestion:	Do Not Induce Vomiting. Loosen Tight Clothing Such As A Collar, Tie, Belt Or Waistband. If The Victim Is Not Breathing, Perform Mouth-To-Mouth Resuscitation. Seek Immediate Medical Attention
Serious Ingestion:	Not Available

Section 5: Fire and Explosion Data

Flammability Of The Product:	May Be Combustible At High Temperature
Auto-Ignition Temperature:	495°C
Flash Points: Open Cup:	260°C
Flammable Limits:	Not Available
Products Of Combustion:	Carbon Oxides (Co, Co2)
Fire Hazards In Presence Of Various Substances:	Not Available
Fire Fighting Media And Instructions:	Small Fire: Use Dry Chemical Powder. Large Fire: Use Water Spray, Fog Or Foam. Do Not Use Water Jet
Special Remarks On Fire Hazards:	Not Available

Section 6: Accidental Release Measures

Small Spill:	Use Appropriate Tools To Put The Spilled Solid In A Convenient Waste Disposal Container. Finish Cleaning By Spreading Water On The Contaminated Surface And Dispose Of According To Local And Regional Authority Requirements.
Large Spill:	Use A Shovel To Put The Material Into A Convenient Waste Disposal Container. Finish Cleaning By Spreading Water On The Contaminated Surface And Allow To Evacuate Through The Sanitary System. Be Careful That The Product Is Not Present At A Concentration Level Above TLV. Check TLV On The MSDS And With Local Authorities.

Section 7: Handling and Storage

Handling Precautions:	Keep Away From Heat. Keep Away From Sources Of Ignition. Empty Containers Pose A Fire Risk, Evaporate The Residue Under A Fume Hood. Ground All Equipment Containing Material. Do Not Ingest. Do Not Breathe Dust. Wear Suitable Protective Clothing If Ingested, Seek Medical Advice Immediately And Show The Container Or The Label. Avoid Contact With Skin And Eyes Keep Away From Incompatibles Such As Oxidizing Agents.
Storage:	Keep Container Dry. Keep In A Cool Place. Ground All Equipment Containing Material. Keep Container Tightly Closed. Keep In A Cool, Well-Ventilated Place. Combustible Materials Should Be Stored Away From Extreme Heat And Away From Strong Oxidizing Agents.



Section 8: Exposure Controls/Personal Protection

Engineering Controls:	Use Process Enclosures, Local Exhaust Ventilation, Or Other Engineering Controls To Keep Airborne Levels Below Recommended Exposure Limits. If User Operations Generate Dust, Fume Or Mist, Use Ventilation To Keep Exposure To Airborne Contaminants Below The Exposure Limit
Personal Protection:	Splash Goggles. Lab Coat. Dust Respirator. Be Sure To Use An Approved/Certified Respirator Or Equivalent Gloves.
Personal Protection In Case Of A Large Spill:	Splash Goggles. Full Suit. Dust Respirator. Boots. Gloves. A Self Contained Breathing Apparatus Should Be Used To Avoid Inhalation Of The Product. Suggested Protective Clothing Might Not Be Sufficient; Consult A Specialist Before Handling This Product.
Exposure Limits:	TWA: 10 (mg/m3) From ACGH TLV Consult Local Authorities For Acceptable Exposure Limits

Section 9: Physical and Chemical Properties

Physical State And Appearance:	Solid
Odor:	Not Available
Taste:	Not Available
Color:	White
Ph (1% Soln/Water):	Not Applicable
Boiling Point:	Not Available
Melting Point:	300°C
Critical Temperature:	Not Available
Specific Gravity:	Not Available
Vapor Pressure:	Not Applicable
Vapor Density:	5.74 (Air = 1)
Volatility:	Not Available
Odor Threshold:	Not Available
Water/Oil Dist. Coeff:	Not Available
Ionicity (In Water):	Not Available
Dispersion Properties:	Is Not Dispersed In Cold Water, Hot Water, Methanol, Diethyl Ether, N-Octanol, Acetone
Solubility	Insoluble In Cold Water, Hot Water, Methanol, Diethyl Ether, N-Octanol, Acetone

Section 10: Stability and Reactivity Data

Stability:	Stable
Instability Temperature:	Not Available
Conditions Of Instability:	Not Available
Incompatibility With Various Substances:	Reactive With Oxidizing Agents
Corrosivity:	Not Available
Special Remarks On Reactivity:	Not Available
Special Remarks On Corrosivity:	Not Available
Polymerization:	No.



Section 11: Toxicological Information

Routes Of Entry:	Absorbed Through Skin. Dermal Contact. Eye Contact. Ingestion.
Toxicity To Animals:	Acute Oral Toxicity (Ld50): 3200 Mg/Kg [Mouse].
Chronic Effects On Humans:	Carcinogenic Effects: Classified None. By OSHA, None. By NIOSH. The Substance Is Toxic To Blood, Kidneys, Liver, Bladder, Brain, Cardiovascular System, Eyes, Nutritional And Gross Metabolic, Ears, Nose/Sinuses, Throat.
Other Toxic Effects On Humans:	Hazardous In Case Of Skin Contact (Irritant), Of Ingestion, Of Inhalation (Lung Irritant).
Special Remarks On Toxicity To Animals:	Not Available.
Special Remarks On Chronic Effects On Humans:	Not Available.
Special Remarks On Other Toxic Effects On Humans:	Not Available.

Section 12: Ecological Information

Ecotoxicity:	Not Available
Bod5 And Cod:	Not Available
Products Of Biodegradation:	Possibly Hazardous Short Term Degradation Products Are Not Likely. However, Long Term Degradation Products May Arise.
Toxicity Of The Products Of Biodegradation:	The Product Itself And Its Products Of Degradation Are Not Toxic.
Special Remarks On The Products Of Biodegradation:	Not Available

Section 13: Disposal Considerations

Waste Disposal:	Dispose In Accordance With The Procedure Laid Down By Local Authorities
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Section 14: Transport Information

Dot Classification:	Not A Dot Controlled Material (United States).
Identification:	Not Applicable.
Special Provisions For Transport:	Not Applicable

Section 15: Other Regulatory Information

TSCA 8(B) Inventory:	Terephthalic Acid
Other Regulations:	EINECS: This Product Is On The European Inventory Of Existing Commercial Chemical Substances.
Other Classifications:	
DSCL (EEC):	LISTED



Section 16: Other Information

MSDS Creation Date:	08/16/2007
Revision #1 Date	

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