

Torrel Cos. Pvt. Ltd.

Material Safety Data Sheet

Product Name : TRIDEX PLUS

MSDS No. : MSDS/FZDT12/02

Version No.: 02

Effective Date: 01/10/2011

Ref. SOP: SOP/QA/020/02

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1. Identity of Material

Product Name	Glutaraldehyde Solution		
Trade Name	TRIDEX PLUS		
Formula	Label: Glutaraldehyde 2.45% w/v Aqueous base Q.S. Category : Sterilizer & Disinfectant Class : Not available CAS Number: Not assigned for the product	UN Number : Not applicable	
Regulated Identification	Shipping Name : Not applicable Codes/ Label : not regulated	HAZCHEM CODE : Not applicable	
	Hazardous Waste : Not applicable Identification Number : Not applicable		
Sr.No.	Ingredients	CAS Number	
1.	Glutaraldehyde	111-30-8	
2.	Water	7732-18-5	

2. Physical and Chemical Properties

Physical State : Liquid	Boiling point in degree C : 100 ⁰ C	Vapour Pressure of 33 degree c mm hg : Not available		
Appearance : Before activation Clear colourless, transparent liquid After activation : Clear green coloured, transparent liquid	Melting/Freezing Point in degree C : Not available	Evaporation rate at 30 degree C : Not available		
Other Corrosivity : Not available	Specific Gravity : Not available	pH	Before activation	Between 3.2 to 4.8
			After activation	Between 7.5 to 9.0

3. Fire and Explosive Hazard Data

Explosion/ Flammability : Not available	Flash point (deg.) Non flammable	LEL : Not applicable	Auto ignition Temperature degree C : Not applicable
		UEL ; Not applicable	TDG Flammability : 0

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4. Reactivity Hazards

	IMPACT : Not available	Hazardous Combustion Products : Not available
Stability: Stable under recommended storage conditions.	Static Discharge : Not available	Hazardous Decomposition Products: Not available
	Reactivity : Strong acid and strong base may cause neutralization	Conditions to avoid : Extremes of sunlight, direct sun light and moisture.

(Hazardous Polymerisation)	May not occur
Compatibility : Not available	Strong oxidizing agents, strong bases

5. Health Hazard Data

Routes of Entry : Inhalation, skin, eye, Ingestion, oral.

Effects of Exposure/symptoms: Not available

LD 50 (in rat) (oral) : 17,500 mg/kg

Permissible Exposure ppm mg/cu.m : Not available	Short term Exposure Limit (STEL) ppm mg/cu/m : Not available
Odour Threshold Limit pp mg/ cu.m : Not available Value (TI .V) of Aogih : Not available	
Emergency Treatment: Eye Contact: Flush eyes with water for 15 minutes. If eye irritation persists, seek medical attention. Ingestion: Do not induce vomiting. Call a physician or poison control centre immediately. Inhalation: Move to fresh air immediately. If experiencing breathing difficulty, seek medical attention. Skin : In case of skin contact, flush skin with plenty of water for at least 15 minutes.	

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6. Hazard Specification

NFPA Hazard signal	Health	Flammability	Reactivity	Special
Known Hazards	2	0	0	-
Combustible Liquid Flammable Material	-	-	-	-
Prophoric Material	-	-	-	-
Explosive Material	-	-	-	-
Unstable Material		-	-	-

7. Safe Usage Data

Ventilation	General Local Exhaust
Equipment Required	Eyes : Safety glasses Respiratory: Not specified. Gloves: Chemical resistance. Clothing: Protective plastic apron.
Precautions	Handling: No special technique or protective measures required. Storage: Keep away from direct sun light.

8. Emergency Response Data

Equipment required	Fire Extinguish Media: Water, carbon dioxide or dry chemical powder.
	Special Procedures : None
	Unusual Hazards : None
Exposure (Inhalation, skin, and eye contacts ingestion)	First Aid Measure: Inhalation: Remove from exposure. Restore breathing. Keep warm and quite get medical attention. Skin: Wash affected area thoroughly with soap and water. If irritation persist. Get medical attention. Eyes: Flush with large amounts of water for 15miutes. Get medical attention. Ingestion: Do not induce vomiting drink copious amounts of milk. Get medical attention.
Spills	Steps to be taken: Contain spills by placing around the edges of the suitable adsorbent material carefully. Scoop up in to waste container for disposal.

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9. Additional Information

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10. Additional Information

References:

- MSDS format as per Gujarat factories rules, 1963, Schedule-5, Rule 68-J.
- www.Hazard.com, www.sciencelab.com.
- Fire & Explosion hazards handbook of industrial chemicals.

11. Manufactures Data

Firms Name: TORREL COS. PVT. LTD.

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