

Material Safety Data Sheet

Product Name : TOROBACT FORTE

MSDS No. : MSDS/FZDT19/01

Version No.: 01

Effective Date: 11/07/2014

Ref. SOP: SOP/QA/020/02

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1. Identity of Material

Product Name	Surface disinfectant	
Trade Name	TOROBACT FORTE	
Formula	Label : Each 100 gm Contains: Benzalkonium Chloride I.P. :19.9 gm Dodecylbispropylene triamine :5.00 gm Category: Surface disinfectant Class: Not available CAS Number: Not assigned for the product	UN Number: Not available
Regulated Identification	Shipping Name: Not available Codes/ Label: Not available	HAZCHEM CODE: Not available
	Hazardous Waste: Not available Identification Number: Not available	
Sr.No.	Ingredients/Composition	CAS Number
1.	Benzyl – C12-18-alkyldimethylammonium chlorides	68391-01-5
2.	N-(3-aminopropyl)-N-dodecylpropane-1-3-diamine	2372-82-9
3.	Tridecanol, branched ethoxylated	69011-36-5
4.	Fatty alcohol polyglycol ether	68439-50-9
5.	Benzotriazole	95-14-7
6.	Water	7732-18-5

2. Physical and Chemical Properties

Physical State: Liquid	Boiling point in degree C: Not available	Vapour Pressure of 33 °C mm hg: Not available
Appearance: Light yellow coloured clear liquid	Melting/Freezing Point in degree C: Not available	Evaporation rate at 30 °C: Not data available
Other Corrosivity: Not available	Specific Gravity: 1.0079 gm/ml	PH: 8.0 to 10.0

3. Fire and Explosive Hazard Data

Explosion/Flammability: Not available	Flash point (deg.) Flash point (deg.): > 100 °C	LEL: Not available	Auto ignition Temperature degree C: Not available
		UEL: Not available	TDG Flammability (classification): Not available

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4. Reactivity Hazards

	IMPACT: Not available	Hazardous Combustion Products: Not available
Stability: The product is chemically stable.	Static Discharge: Not available	Hazardous Decomposition Products: Not available
	Reactivity: No Decomposition if stored and applied as directed	Conditions to avoid: Heat, strong sunlight for prolong periods.
Hazardous Polymerisation	May not occur	
Compatibility	Materials to avoid contact with Acids,	

5. Health Hazard Data

Routes of Entry: Inhalation, skin, eye and ingestion

Effects of Exposure/symptoms: Irritant for skin and mucous membrane. Strong irritant with the danger of severe Eye injury.

LD 50 (in rat) oral: Not available

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: Inhalation: Remove the victim from exposure & move to fresh air immediately. Give artificial respirator or oxygen if needed. Ingestion: Do NOT induce vomiting. Rinse mouth with water. Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician immediately. Eyes: Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes.	

6. Hazard Specification

NFPA Hazard signal	Health	Flammability	Stability	Special
Known hazard	-	-	-	-
Combustible Liquid Flammable Material	-	-	-	-
Phosphoric Material	-	-	-	-
Explosive Material	-	-	-	-
Unstable Material	-	-	-	-

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7. Safe Usage Data

Ventilation	General Local Exhaust. Ensure adequate ventilation, especially in confined areas.
Equipment Required	Eyes: Tightly fitting safety glasses Respiratory: No personal respiratory equipment normally required. Gloves: Protective Clothing : Protective
Precautions	Environmental precautions: Should not be released in to the environment. Handling: Keep containers tightly sealed. No special measures required. Advice to safe Handling: Prepare the working solution as given on the lable(s) and /or user instruction manual. Storage: Store at room temperature in the original container. Advice for common storage: keep away from food and drink.

8. Emergency Response Data

Equipment required	Fire Extinguish Media: carbon dioxide, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
	Special Procedures: No special measures required
	Unusual Hazards: Not available
Exposure (Inhalation, ingestion, skin and eye contacts)	First Aid Measure: Inhalation: Remove the victim from exposure & move to fresh air immediately. Give artificial respirator or oxygen if needed. Ingestion: Do NOT induce vomiting. Rinse mouth with water. Skin: Wash off immediately with plenty of water. Eyes: Rinse immediately with plenty of water, also under eyelids, for at least 15minutes.
Spills	Steps to be taken: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Dispose off according to local and regional authority requirements.

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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

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