



## **SUPERBRITE BTM C125**

ICI Pakistan Ltd.  
5 WEST WHARF KARACHI  
EMERGENCY TELEPHONE: 111-100-200

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#### **1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY**

- |     |                        |                     |
|-----|------------------------|---------------------|
| 1.1 | CHEMICAL PRODUCT       | SUPERBRITE BTM C125 |
| 1.2 | APPLICATION            | OPTICAL BRIGHTENER  |
| 1.3 | COMPANY IDENTIFICATION | I.C.I Pakistan Ltd. |
| 1.4 | EMERGENCY TELEPHONE    | 111-100-200         |

#### **2. COMPOSITION/ INFORMATION ON INGREDIENTS**

- |     |  |   |
|-----|--|---|
| 2.1 | CHEMICAL DESCRIPTION                     | DIAMINO STILBENE DERIVATIVE, TETRA SULFO TYPE |
| 2.2 | CHEMICAL COMPOSITION                     | OPTICAL BRIGHTENER POWDER.                    |
| 2.3 | DOES NOT CONTAIN ANY HAZARDOUS MATERIALS |   |



2.4	HAZARDOUS INGREDIENTS.	C.P.L CLASS	CAS No.	EINECS NO	WT %
	TETRASODIUM 4, 4'-BIS [[4-[BIS(2-HYDROXY ETHYL) AMINO]-6-(4-SULPHONATOANILINO) -1,3,5-TRIAZIN-2-YL] AMINO]STILBENE-2,2'-DISULPHONATE]	N.A	16470-24-9	N.A	%20-%40

**3. HAZARDS IDENTIFICATION**

PRODUCT DOES NOT HAVE ANY IDENTIFIED HAZARDS

**4. FIRST AID MEASURES**

4.1	EYE CONTACT	IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, SEEK MEDICAL ATTENTION IF IRRITATION OCCURS.
4.2	SKIN CONTACT	WASH WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING
4.3	INGESTION	WASH MOUTH AND THROAT WITH PLENTY OF WATER. SEEK MEDICAL ATTENTION.
4.4	INHALATION	REMOVE VICTIM TO FRESH AIR. SEEK MEDICAL ATTENTION IF NECESSARY.
4.5	OTHER	TREAT SYMPTOMATICALLY.

**5. FIRE EXTINGUISHING MEDIA**

5.1	EXTINGUISHING MEDIA	WATER, FOAM,CARBONDIOXIDE , AND DRY CHEMICAL POWDER TYPE EXTINGUISHERS ARE USED. USEPROTECTIVE GAS MASK IN CASE OF FUMING
5.2	PROTECTIVE MEASURES	NO SPECIAL PROTECTION REQUIRED.



**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 PERSONAL PRECAUTIONS USE PROTECTIVE EQUIPMENT.
- 6.2 ENVIRONMENTAL NONE.
- 6.3 CLEANING UP CONTAIN SPILL, SMALL SPILLS MAY BE FLUSHED TO THE SEWER OR ABSORBED ON SUITABLE ABSORBENTS. LARGER SPILLS SHOULD BE COLLECTED AS LIQUID OR ABSORBED. CLEAN-UP MAY BE ACCOMPLISHED BY FLUSHING WITH WATER IF APPROPRIATE OR REMOVE CONTAMINATED SOILS, PLACE IN APPROPRIATE CONTAINERS.

**7. STORAGE AND HANDLING**

- 7.1 STORAGE STORE IN A COOL AND DRY PLACE IN CLOSED CONTAINERS. DO NOT STORE IN GALVANIZED METAL CONTAINERS. KEEP ABOVE 0°C. PROVIDE VENTILATION.
- 7.2 HANDLING AVOID CONTACT WITH SKIN AND EYES

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

- 8.1 PERSONAL PROTECTION
- RESPIRATORY PROTECTION NONE REQUIRED IN NORMAL USE OF PRODUCT.
- HAND PROTECTION BUTYL RUBBER, PVC OR NEOPRENE GLOVES.
- EYE PROTECTION SAFETY GLASSES OR CHEMICAL SPLASH GOGGLES.
- OTHER PROTECTIVE EQUIPMENT RUBBER APRON
- OTHER REQUIREMENTS LOCAL VENTILATION RECOMMENDED.
- 8.2 VENTILATION: USE LOCAL EXHAUST TO CONTROL TO RECOMMENDED P.E.L

**9. PHYSICAL/ CHEMICAL PROPERTIES**

- 9.1 APPEARANCE YELLOW-BROWN COLOURED CLEAR LIQUID
- 9.2 ODOUR ODORLESS
- 9.3 PH 8-10



9.4	DENSITY	1.13G/ML
9.5	FREEZING POINT	N.A
9.6	FREEZETHAWRECOVERY	NOT ASSESSED
9.7	BOILING POINT	100 Deg C
9.8	MELTING POINT	N.A
9.9	FLASH POINT	N.A
9.10	AUTOFLAMMABILITY	NOT APPLICABLE
9.11	EXPLOSIVE PROPERTIES	NOT APPLICABLE
9.12	VAPOUR PRESSURE	23mbar
9.13	VAPOUR DENSITY	NOT ASSESSED
9.14	RELATIVE DENSITY	NOT ASSESSED
9.15	SOLUBILITY	DISPERSIBLE IN WATER
9.16	PARTITION COEFFICIENT	NOT ASSESSED
9.17	VISCOSITY	80 cps
<b>10.</b>	<b>STABILITY AND REACTIVITY</b>	
10.1	STABILITY	STABLE
10.2	CONDITIONS TO AVOID	AVOID HIGH PRESSURE WASHING
10.3	CEHMICALS TO AVOID	STRONG OXIDIZING AGENTS
10.4	RECOMMENDED MATERIALS FOR EQUIPMENT	COMPATIBLE WITH MOST MATERIALS
10.5	HAZARDOUS DEGRADATION PRODUCTS	NONE IF USED NORMALLY. DEGRADATION PRODUCTS MAY CONTAIN NITROGEN, SULPHUR, CARBON OXIDES.
<b>11.</b>	<b>TOXICOLOGICAL INFORMATION</b>	
11.1	ACUTEORAL TOXICITYLD50 (ORALRAT)>15000MG/KG	
	ACUTE DERMAL TOXICITY LD50(DERMAL, RAT) >2000 MG/KG	



SKIN IRRITATION NON-IRRITATING

EYE IRRITATION NON-IRRITATING

**12. ECOLOGICAL INFORMATION**

BIODEGREDDATION :>%90 (DOC REDUCTION) TEST METHOD : OECD 301 A

- COD : ~360 mg/g
- FISH (BRACHYDANIO RERIO) WITH A 96 H-LC0 > 1000 mg/l AND A 14 D-NOEC OF > 859 mg/l
- DAPHNIA (DAPHNIA MAGNA) WITH a 48 h-EC0 of >= 113 mg/l AND A 24 h-EC50 > 1000 mg/l
- ALGAE (SCENEDESMUS SUBSPICATUS) WITH a 96 h-EC50 > 1000 mg/l.

**13. DISPOSAL CONSIDERATIONS**

SMALL QUANTITIES MAY BE TREATED IN AEROBIC WASTEWATER TREATMENT SYSTEMS. LARGER QUANTITIES MAY BE INCINERATED OR LANDFILLED AFTER SOLIDIFICATION IN PERMITTED SYSTEMS.

**14. TRANSPORT INFORMATION**

14.1 PACKAGING

14.2 FREIGHT CLASSIFICATIONS NOT APPLICABLE

UN NUMBER NOT APPLICABLE

ADR NUMBER NOT APPLICABLE

IMDG NUMBER NOT APPLICABLE

PACKING GROUP NOT APPLICABLE

TERM CARD NOT APPLICABLE

TRANSPORT HAZARD NOT CONSIDERED HAZARDOUS FOR TRANSPORT INFORMATION



**15. REGULATORY INFORMATION**

15.1 CLASSIFICATION

HAZARD SYMBOLS

R - PHRASES

S – PHRASES

S28 WASH WITH PLENTY OF WATER AND SOAP  
UPON CONTACT WITH SKIN.

**16. OTHER INFORMATION**

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