TRITON B FOR SYNTHESIS MSDS



CAS No: 100-85-6 MSDS

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: Identificatio	on of the substance/mixture and of the company/undertaking	
1.1. Product identified	ier	
Product form	: Substance	
	:	
CAS No	: 100-85-6	
Product code	: 6394D	
Chemical structure	· OH CH3	
	⁺ N−CH ₃	
	CH ₃	
Synonyms	: Benzyltrimethylammonium hydroxide solution	
1.2. Relevant identif	ified uses of the substance or mixture and uses advised against	
1.2.1. Relevant identif	ified uses	
Use of the substance/mixt	xture : Laboratory chemicals, Manufacture of substances	
1.2.2. Uses advised ag	against	
No additional information		
1.3. Details of the su	supplier of the safety data sheet	
LOBA CHEMIE PVT.LTD.		
107 Wode House Road, J 400005 Mumbai - INDIA	Jehangir Villa, Colaba	
400005 Mumbal - INDIA T +91 22 6663 6663 - F +91 22 6663 6699		
info@lobachemie.com - w		
1.4. Emergency tele	ephone number	
Emergency number	: + 91 22 6663 6663 (9:00am - 6:00 pm)	
SECTION 2: Hazards ide	entification	
2.1. Classification of	of the substance or mixture	
Classification according	g to Regulation (EC) No. 1272/2008 [CLP]	
Flammable liquids,	H225	
Category 2		
Acute toxicity (dermal), Category 3	H311	
Acute toxicity (inhal.),	H331	
Category 3		
Acute toxicity (oral), Category 3	H301	
Skin corrosion/irritation,	H314	
Category 1B		
Specific target organ	H370	
toxicity — single exposure, Category 1		
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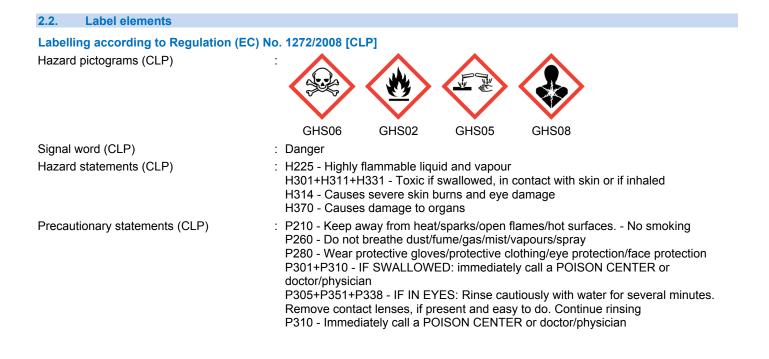
Full text of classification categories and H statements : see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11 T; R23/24/25 T; R39/23/24/25 C; R34 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available



2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients		
3.1.	Substance	
Name		: TRITON B FOR SYNTHESIS
CAS N	0	: 100-85-6

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3.2. Mixture

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor/physician. Wash with plenty of soap and water. Specific measures (see on this label). Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Immediately call a POISON CENTER or doctor/physician. Specific treatment (see on this label). Do NOT induce vomiting.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/injuries	: Causes severe skin burns and eye damage. Causes damage to organs.
Symptoms/injuries after inhalation	: Toxic if inhaled.
Symptoms/injuries after skin contact	: Toxic in contact with skin.
Symptoms/injuries after ingestion	: Toxic if swallowed.
4.3. Indication of any immediate med	lical attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
Unsuitable extinguishing media	: Do not use a heavy water stream.
	· · · · · · · · · · · · · · · · · · ·
5.2. Special hazards arising from the	substance or mixture
Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
5.3. Advice for firefighters	
No additional information available	
SECTION 6: Accidental release measures	5
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Avoid breathing dust/fume/gas/mist/vapours/spray.
Emergency procedures	: Stop release.
6.2. Environmental precautions	

Avoid release to the environment.

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6.3. Methods and material for contain	nment and cleaning up
Methods for cleaning up	: Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling	 No naked lights. No smoking. Use only non-sparking tools. Do not breathe dust/fume/gas/mist/vapours/spray.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, incl	uding any incompatibilities
Storage conditions	: Keep in fireproof place. Keep container tightly closed. Store in original container. Store in a well-ventilated place. Protect from moisture.
Incompatible materials	: Heat sources.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/personal	protection
8.1. Control parameters	
No additional information available	

8.2. Exposure controls	
Hand protection	: protective gloves
Eye protection	: Chemical goggles or face shield
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Wear respiratory protection
SECTION 9: Physical and chemical prop	erties
9.1. Information on basic physical a	nd chemical properties
Physical state	: Liquid
Molecular mass	: 167.25 g/mol
Colour	: clear slightly yellow.
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available

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Freezing point	: No data available
Boiling point	: No data available
Flash point	: 15 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable Highly flammable liquid and vapour
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density Solubility	: 0.95 g/cm³ : Water: Miscible in water
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 0.055 - 0.365 vol %
9.2. Other information	

No additional information available

SECTION 10: Stability and reactivity		
10.1		
10.1.	Reactivity	
Therma	I decomposition generates : Corrosive vapours.	

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Open flame. Direct sunlight. Overheating.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information	

11.1. Information on toxicological effects

Acute toxicity

: Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled. Oral: Toxic if swallowed.

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Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity (single exposure)	 Causes severe skin burns and eye damage. Serious eye damage, category 1, implicit Not classified Not classified Not classified Not classified Causes damage to organs.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Toxic if swallowed. Toxic in contact with skin.
SECTION 12: Ecological information	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB asse	ssment
No additional information available	
12.6. Other adverse effects	
No additional information available	
No additional information available SECTION 13: Disposal considerations 13.1. Waste treatment methods	
No additional information available SECTION 13: Disposal considerations 13.1. Waste treatment methods Product/Packaging disposal	: Dispose of contents/container to
No additional information available SECTION 13: Disposal considerations 13.1. Waste treatment methods	 Dispose of contents/container to Handle empty containers with care because residual vapours are flammable.

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Ecology - waste materials

: Hazardous waste due to toxicity.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number	
UN-No. (ADR)	: 2924
UN-No. (IMDG)	: 2924
UN-No.(IATA)	: 2924
UN-No.(ADN)	: 2924
UN-No. (RID)	: 2924
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (IATA)	: FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (ADN)	: FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (RID)	: FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Transport document description (ADR)	: UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S., 3 (8), II, (D/E)
Transport document description (IMDG)	: UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S., 3 (8), II
Transport document description (IATA)	: UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S., 3 (8), II
Transport document description (ADN)	: UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S., 3 (8), II
Transport document description (RID)	: UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S., 3 (8), II
14.3. Transport hazard class(es)	

ADR
Transport hazard class(es) (ADR)
Danger labels (ADR)

:	3 (8)
:	3, 8

: 3 (8) : 3, 8

: 3 (8) : 3,8

:



IMDG

Transport hazard class(es) (IMDG)	
Danger labels (IMDG)	



ΙΑΤΑ	
Transport	haz

Transport hazard class(es) (IATA)	
Hazard labels (IATA)	



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Transport hazard class(es) (ADN)	: 3 (8)
Danger labels (ADN)	: 3, 8
RID	
Transport hazard class(es) (RID)	: 3 (8)
Danger labels (RID)	: 3,8
14.4. Packing group	
Packing group (ADR)	: 11
Packing group (IMDG)	: 11
Packing group (IATA)	: 11
Packing group (ADN)	: 11
Packing group (RID)	: 11
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

- Overland transport	
Classification code (ADR)	: FC
Special provision (ADR)	: 274
Limited quantities (ADR)	: 1L
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T11
Portable tank and bulk container special provisions (ADR)	: TP2, TP27
Tank code (ADR)	: L4BH
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 338
Orange plates	338
	2924
Tunnel restriction code (ADR)	: D/E
EAC code	: •3WE

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APP code : A(II) -Transport by sea		
Special provision (IMDC) : 274 Limited quantities (IMDC) : E2 Packing instructions (IMDC) : E2 Packing instructions (IMDC) : IBC02 Tank instructions (IMDC) : IBC02 Stowage category (IMDC) : B Stowage and pacting (IMDG) : SV2 - Air transport - PCA Excepted quantities (IATA) : Y340 PCA Imited quantities (IATA) : Y340 PCA packing instructions (IATA) : 352 PCA max end quantity (IATA) : 363 CAO packing instructions (IATA) : 363 CAO packing instructions (IATA) : 363 CAO packing instructions (IATA) : 4A3 ERG code (IATA) : 3CH - Inland quantities (ADN) : FC Special provisions (ADN) : T Erguintern tracyoutied (ADN) : PP, EP	APP code	: A(fl)
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Hazard identification number (RID) : 338	Transport category (RID)	: 2
	Colis express (express parcels) (RID)	: CE7
	Hazard identification number (RID)	: 338

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Safety Data Sheet

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions TRITON B FOR SYNTHESIS is not on the REACH Candidate List TRITON B FOR SYNTHESIS is not on the REACH Annex XIV List

15.1.2. National regulations

Germany 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
Denmark	
Class for fire hazard	: Class I-1
Store unit	: 1 liter
Classification remarks	: F <flam. 2="" liq.="">; Emergency management guidelines for the storage of flammable liquids must be followed</flam.>
Recommendations Danish Regulation	: Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2.	Chemical safety assessment
No addit	ional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Flam. Liq. 2	Flammable liquids, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H331	Toxic if inhaled

Safety Data Sheet

H370	Causes damage to organs
R11	Highly flammable
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R34	Causes burns
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
С	Corrosive
F	Highly flammable
Т	Тохіс

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product