

CAS No: MSDS

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: Identification	on of the substance/mixture and of the company/undertaking
1.1. Product identifi	
Product form	: Mixture
Product code	: 6337D
1.2 Polovant identif	field uses of the substance or mixture and uses advised against
	fied uses of the substance or mixture and uses advised against
1.2.1. Relevant identif	
Use of the substance/mixt	ture : Laboratory chemicals
1.2.2. Uses advised a	agingt
	-
No additional information	available
1.3. Details of the su	upplier of the safety data sheet
LOBA CHEMIE PVT.LTD	
107 Wode House Road, J	Jehangir Villa, Colaba
400005 Mumbai - INDIA T +91 22 6663 6663 - F +	+91 22 6663 6699
info@lobachemie.com - w	
1.4. Emergency tele	
Emergency number	: + 91 22 6663 6663 (9:00am - 6:00 pm)
SECTION 2: Hazards ide	entification
2.1. Classification o	of the substance or mixture
Classification according	g to Regulation (EC) No. 1272/2008 [CLP]
Corrosive to metals,	H290
Category 1	
Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation,	H315
Category 2	
Serious eye damage/eye	H319

Full text of classification categories and H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

irritation, Category 2

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2.2. Label elements

Labelling according to Regulation	(EC) No. 1272/2008 [C	LP]
Hazard pictograms (CLP)	:	
		$\langle \cdot \rangle$
	GHS05	GHS07

Signal word (CLP)	: Warning
Hazard statements (CLP)	 H290 - May be corrosive to metals H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation
Precautionary statements (CLP)	 P264 - Wash thoroughly after handling P302+P352 - IF ON SKIN: Wash with plenty of soap and water P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No additional information available

SECTI	ON 3: Composition/information on ingredients
3.1.	Substance
Not ap	plicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	(CAS No) 7732-18-5 (EC no) 231-791-2	96.75 - 101.89	Not classified
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5	0.9 - 1.65	Skin Corr. 1A, H314
silver nitrate	(CAS No) 7761-88-8 (EC no) 231-853-9 (EC index no) 047-001-00-2	0.1 - 0.12	Aquatic Acute 1, H400

Full text of H-phrases: see section 16

SECTIC	DN 4: First aid measures	
4.1.	Description of first aid measures	
First-aid	I measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

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First-aid measures after skin contact	: Take off contaminated clothing. Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. If you feel unwell, seek medical advice.
4.2. Most important symptoms and	effects, both acute and delayed
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Harmful if swallowed.
4.3. Indication of any immediate me	dical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Foam. Dry powder. Carbon dioxide.
5.2. Special hazards arising from the	e substance or mixture
No additional information available	
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.
SECTION 6: Accidental release measure	95
6.1. Personal precautions, protectiv	e equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Use personal protective equipment as required.
Emergency procedures	: Stop release. Ventilate area.
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for conta	inment 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	
Precautions for safe handling	: Avoid contact with skin, eyes and clothing.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating,
	drinking or smoking and when leaving work.
7.2. Conditions for safe storage, inc	
Storage conditions	: Store in original container. Keep cool. Protect from sunlight. Store in a dry place. Store in a closed container.
Incompatible products	: Oxidizing agent. Strong bases. Strong acids.
7.3. Specific end use(s)	
No additional information available	

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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 safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Wear appropriate mask
SECTION 9: Physical and chemical prop	erties
9.1. Information on basic physical a	
Physical state	: Liquid
Colour	: Clear colriess.
Odour	: characteristic.
Odour threshold	: No data available
рН	: 14
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: -1012 °C
Boiling point	: 105 - 140 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
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
xplosive limits	: No data available
.2. Other information	
lo additional information available	
SECTION 10: Stability and reactivity	
I0.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable under normal conditions of use.	
10.3. Possibility of hazardous rea	actions
No additional information available	
10.4. Conditions to avoid	
Finely divided metals.	
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition p	products
No additional information available	
SECTION 11: Toxicological informat	tion
11.1. Information on toxicologica	I effects
Acute toxicity	: Oral: Harmful if swallowed.
ATE CLP (oral)	500 mg/kg bodyweight
Skin corrosion/irritation	: Causes skin irritation.
	pH: 14
Serious eye damage/irritation	: Causes serious eye irritation.
	pH: 14
• • • • • • • • • • • • • • • • • • •	: Not classified
Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity	: Not classified : Not classified

Reproductive toxicity: Not classifiedSpecific target organ toxicity (single
exposure): Not classified

Specific target organ toxicity (repeated : Not classified exposure)

Aspiration hazard : Not classified

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SECTION 12: Ecological information	
SECTION 12. Ecological mormation	
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 assess	sment
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
No additional information available	
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IAT	A / ADN
14.1. UN number	
UN-No. (ADR)	: 1760
UN-No. (IMDG)	: 1760
UN-No.(IATA)	: 1760
UN-No.(ADN)	: Not regulated
UN-No. (RID)	: Not regulated
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (IATA)	: CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (ADN)	: Not regulated
Proper Shipping Name (RID)	: Not regulated
Transport document description (ADR)	: UN 1760 CORROSIVE LIQUID, N.O.S., 8, II, (E)
Transport document description (IMDG)	: UN 1760 CORROSIVE LIQUID, N.O.S., 8, II
Transport document description (IATA)	: UN 1760 CORROSIVE LIQUID, N.O.S., 8, II
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: 8

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Transport hazard class(es) (IMDG) : Danger labels (IMDG) : IATA : Transport hazard class(es) (IATA) : Hazard labels (IATA) : * : ADN : Transport hazard class(es) (ADN) :	
Danger labels (IMDG) : IATA : Transport hazard class(es) (IATA) : Hazard labels (IATA) : : : ADN : Transport hazard class(es) (ADN) :	
Transport hazard class(es) (IATA) : Hazard labels (IATA) : S : ADN : Transport hazard class(es) (ADN) :	
Transport hazard class(es) (IATA) : Hazard labels (IATA) : S : ADN : Transport hazard class(es) (ADN) :	
Hazard labels (IATA) : ADN Transport hazard class(es) (ADN) :	
ADN Transport hazard class(es) (ADN)	8
Transport hazard class(es) (ADN) :	8
Transport hazard class(es) (ADN) :	
	Not regulated
RID	
Transport hazard class(es) (RID) :	Not regulated
14.4. Packing group	
Packing group (ADR) :	
Packing group (IMDG) : Packing group (IATA) :	
	Not regulated
	Not regulated
14.5. Environmental hazards	
	No
•	No
Other information :	No supplementary information available
14.6. Special precautions for user	

- Overland transport

Classification code (ADR)	: C9
Special provision (ADR)	: 274
Limited quantities (ADR)	: 1L
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP15

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Portable tank and bulk container instructions (ADR)	: T11
Portable tank and bulk container special provisions (ADR)	: TP2, TP27
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Hazard identification number (Kemler No.)	: 80
Orange plates	
	80
	1760
Tunnel restriction code (ADR)	: E
EAC code	: 2X
APP code	: B
- Transport by sea	
Special provision (IMDG)	: 274
Limited quantities (IMDG)	: 1L
Excepted quantities (IMDG)	: E2
,	. E2 : P001
Packing instructions (IMDG)	
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP2, TP27
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2
- Air transport	
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y840
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA)	: 851
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 855
CAO max net quantity (IATA)	: 30L
Special provision (IATA)	: A3
ERG code (IATA)	: 8L

- Inland waterway transport

Not regulated

- Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions Contains no REACH candidate substance

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Contains no REACH Annex XIV substances.

15.1.2. National regulations

Germany AwSV/VwVwS Annex reference : Water hazard class (WGK) 3, strongly hazardous to water (Classification according to AwSV, Annex 1) 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Denmark

Recommendations Danish Regulation	: Young people below the age of 18 years are not allowed to use the product
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15.2.	Chemical safety assessment
No addit	ional information available

SECTION 16: Other information

Full text of H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H400	Very toxic to aquatic life

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