Material Safety Data Sheet	MOLYCHEM
CESIUM CHLORIDE ULTRA PURE	VERSION : 02 DATE OF ISSUE : 26-08-2019

Product Code :51710

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1. Identification of the substance/mixture and of the company/undertaking **1.1. Product identifier Trade name : CESIUM CHLORIDE ULTRA PURE Product code** : 51710 **Identification of the product** : Cesium Chloride Ultra Pure (Molecular Biology grade) CAS No: 7647-17-8 1.2. Relevant identified uses of the substance or mixture and uses advised against Use : Industrial. For professional use only. **1.3.** Details of the supplier of the safety data sheet **Company identification** : MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email: info@molychem.net Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503. **1.4. Emergency telephone number** Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm). 2. Hazards identification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] Not classified Adverse physicochemical, human health and environmental effects No additional information available **2.2.** Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to displayExtra classification(s) to display No labelling applicable **2.3. Other hazards** No additional information available **3.** Composition/information on ingredients **3.1. Substances:** CESIUM CHLORIDE ULTRA PURE CAS-No.: 7647-17-8 Substance. Contains no other components or impurities which will influence the classification of the product.

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4. First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest. First-aid measures after skin contact : Wash with plenty of water/....

First-aid measures after eye contact : Rinse immediately with plenty of water.

First-aid measures after ingestion : Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray. Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

6.4. Reference to other sections

No additional information available

7. Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid dust formation.

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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, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

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 : [In case of inadequate ventilation] wear respiratory protection.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties Odour threshold : No data available **pH**: 6.0 - 7.5 **Relative evaporation rate (butylacetate=1)**: No data available Melting point : 645 °C **Freezing point** : No data available **Boiling point** : No data available **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 : 5.8 **Relative density** : No data available Density: 3.988 g/cm³ **Solubility :** Water: Soluble 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 : No data available

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9.2. Other information No additional information available	
10. Stability and reactivity	
10.1. Reactivity No additional information available	
10.2. Chemical stability Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
Air contact. Direct sunlight. Moisture.	
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
No additional information available	
<u>11. Toxicological information</u>	
11.1. Information on toxicological effects	
Acute toxicity : Not classified	
Skin corrosion/irritation : Not classified	
pH: 6.0 - 7.5	1
Serious eye damage/irritation : Not classifie	² d
pH: 6.0 - 7.5 Respiratory or skin sensitisation : Not classi	fied
Germ cell mutagenicity : Not classified	llieu
Carcinogenicity : Not classified	
Reproductive toxicity : Not classified	
STOT-single exposure : Not classified	
STOT-repeated exposure : Not classified	
Aspiration hazard : Not classified	
<u>12. Ecological information</u>	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
No additional information available	

No additional information available

12.3. Bioaccumulative potential

No additional information available

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 12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPvB assessmen No additional information available 12.6. Other adverse effects No additional information available 	ıt	
13. Disposal considerations		
13.1. Waste treatment methods		
No additional information available		
14. Transport information		
In accordance with ADR / RID / IMDG / IA	ATA / ADN	
14.1. UN number		
UN-No. (ADR) : Not applicable		
UN-No. (IMDG) : Not applicable		
UN-No. (IATA) : Not applicable		
UN-No. (ADN) : Not applicable		
UN-No. (RID) : Not applicable		
14.2. UN proper shipping name		
Proper Shipping Name (ADR) : Not applica	ıble	
Proper Shipping Name (IMDG) : Not applic	cable	
Proper Shipping Name (IATA) : Not application	able	
Proper Shipping Name (ADN) : Not applica		
Proper Shipping Name (RID) : Not applicat	ble	
14.3. Transport hazard class(es)		
ADR- Transport hazard class(es) (ADR) : N		
IMDG- Transport hazard class(es) (IMDG)		
IATA- Transport hazard class(es) (IATA) :		
ADN- Transport hazard class(es) (ADN) : N	11	
RID- Transport hazard class(es) (RID) : No	tapplicable	
14.4. Packing group		
Packing group (ADR) : Not applicable Packing group (IMDG) : Not applicable		
Packing group (IATA) : Not applicable		
Packing group (ADN) : Not applicable		
Packing group (RID) : Not applicable		
14.5. Environmental hazards		

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Marine pollutant : No Other information : No supplementary information available 14.6. Special precautions for user **Overland transport-** No data available Transport by sea- No data available Air transport- No data available Inland waterway transport- No data available **Rail transport** No data available 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable **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 CESIUM CHLORIDE AR is not on the REACH Candidate List CESIUM CHLORIDE AR is not on the REACH Annex XIV List **15.1.2.** National regulations Germany Reference to AwSV : Water hazard class (WGK) 1, low hazard to water (Classification according to AwSV; ID No. 9276) 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance) Netherlands SZW-lijst van kankerverwekkende stoffen : The substance is not listed SZW-lijst van mutagene stoffen : The substance is not listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen -Vruchtbaarheid : The substance is not listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed **15.2.** Chemical safety assessment No additional information available

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16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 **Further information** : None.

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End of document Prepared by: MOLYCHEM (INDIA)

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