Printing date 21.07.2021

CHEMICALS, INC.

Revision: 21.07.2021

| | ntifier |
|---|---|
| · Trade name: La | anthanum(III) carbonate hydrate (99.9%-La) (REO) |
| • Item number: 9 • CAS Number: 6487-39-4 • 1.2 Relevant ide | 3-5707 entified uses of the substance or mixture and uses advised against |
| No further relev | ant information available. |
| • 1.3 Details of th Manufacturer/S Strem Chemical 7 Mulliken Way NEWBURYPOF USA info@strem.com | s, Înc. RT, MA 01950 |
| · 1.4 Emergency | ation obtainable from: Technical Department telephone number: CHEMTREC: + 1 (800) 424-9300 |
| During normal SECTION 2: 2.1 Classification a | opening times: +1 (978) 499-1600 Thazards identification on of the substance or mixture ccording to Regulation (EC) No 1272/2008 |
| During normal SECTION 2: 2.1 Classification Classification a The substance i 2.2 Label eleme | opening times: +1 (978) 499-1600 • Hazards identification on of the substance or mixture ccording to Regulation (EC) No 1272/2008 s not classified according to the CLP regulation. |
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| During normal SECTION 2: 2.1 Classification Classification a The substance i 2.2 Label eleme Labelling accon Hazard pictogre Signal word Vo Hazard stateme Precautionary s P262 P280 | opening times: +1 (978) 499-1600 The Hazards identification on of the substance or mixture ccording to Regulation (EC) No 1272/2008 s not classified according to the CLP regulation. Ints rding to Regulation (EC) No 1272/2008 Void ams Void id id ints Void id tsteements Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, |

6487-39-4 Lanthanum(III) carbonate hydrate (99.9%-La) (REO)

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SECTION 4: First aid measures

- 4.1 Description of first aid measures
- · General information: No special measures required.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- · 6.2 Environmental precautions: No special measures required.
- 6.3 Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.
- · 6.4 Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling No special measures required.
- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

• Ingredients with limit values that require monitoring at the workplace: Not required.

• Additional information: The lists valid during the making were used as basis.

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| Personal protective equipment: General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Respiratory protection: Nor required. Protection of hands: Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the slubble gloves does not only depend on the material, but also on further marks of quality arvaries from manufacturer to manufacturer. Penetration time of glove material The exact break through time has to be jound out by the manufacturer of the protective gloves and has to b observed. Eye protection: Safety glasses 9.1 Information on basic physical and chemical properties General Information Not determined. Appearance: Odourless Odour threshold: Not applicable. Ph-value: Not applicable. Formition on basic physical and chemined. Indiate boliling point/freezing point: Ph-v | | (Contd. of page 2 |
|--|---|---|
| The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical misture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality an varies from manufacturer to manufacturer. Penetration time of glove material Prestration time of glove material Penetration time of gloves material Prestration time of gloves material Penetration time of glove material Prestration time of gloves due to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Safety glasses 9.1 Information on basic physical and chemical properties General Information Appearance: Form: Powder Colour: Odour threshold: Not deplicable. Pl-value: <th>The usual precautionary measures an</th> <th>re to be adhered to when handling chemicals.</th> | The usual precautionary measures an | re to be adhered to when handling chemicals. |
| Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality an varies from manufacturer to manufacturer. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Safety glasses 9.1 Information on basic physical and chemical properties General Information Appearance: Form: Powder Colour: White Odour: Odurless Odour threshold: Not determined. pH-value: Not applicable. Flammability (solid, gas): Product is not flammable. Ignition temperature: Not determined. Initial boiling point and boiling range: Undetermined. Isplicable. Product is not flammable. Ignition temperature: Not determined. Decomposition temperature: Not determined. Lawee: Not determined. Explosion limits: Not | Protective gloves | |
| Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality ar varies from manufacturer to manufacturer. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Safety glasses 9.1 Information on basic physical and chemical properties General Information Appearance: Form: Powder Colour: Odourless Odour threshold: Not determined. pH-value: Not applicable. Change in condition Moteremined. Metting point/freezing point: Undetermined. Initial boiling point and boiling range: Not applicable. Flammability (solid, gas): P roduct is not flammable. Ignition temperature: Not determined. Decomposition temperature: Not determined. Lower: Not determined. Explosion limits: Not determined. </td <td>Due to missing tests no recommendation chemical mixture.</td> <td>tion to the glove material can be given for the product/ the preparation/ th</td> | Due to missing tests no recommendation chemical mixture. | tion to the glove material can be given for the product/ the preparation/ th |
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| Density at 20 °C:2.6-2.7 g/cm³Relative densityNot determined.Vapour densityNot applicable. | Upper: | Not determined. |
| Relative densityNot determined.Vapour densityNot applicable. | Vapour pressure: | Not applicable. |
| Relative densityNot determined.Vapour densityNot applicable. | Density at 20 °C: | 2.6-2.7 g/cm^3 |
| | Relative density | Not determined. |
| <i>Evaporation rate Not applicable.</i> | Vapour density | |
| | Evaporation rate | Not applicable. |



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| | | (Contd. of page 2 |
|---|--|-------------------|
| · Solubility in / Miscibility with | | |
| water: | Insoluble. | |
| · Partition coefficient: n-octanol/water: | Not determined. | |
| · Viscosity: | | |
| Dynamic: | Not applicable. | |
| Kinematic: | Not applicable. | |
| · Solvent content: | | |
| Organic solvents: | 0.0 % | |
| VOC (EC) | 0.00 % | |
| Solids content: | 100.0 % | |
| • 9.2 Other information | No further relevant information available. | |

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- \cdot 10.3 Possibility of hazardous reactions No dangerous reactions known.
- \cdot 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

- Acute toxicity Based on available data, the classification criteria are not met.
- · Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- \cdot Carcinogenicity Based on available data, the classification criteria are not met.
- *Reproductive toxicity Based on available data, the classification criteria are not met.*
- STOT-single exposure Based on available data, the classification criteria are not met.
- $\cdot \textit{STOT-repeated exposure Based on available data, the classification criteria are not met.}$
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- \cdot Additional ecological information:
- General notes: Not known to be hazardous to water.

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· 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation Disposal must be made according to official regulations.
- Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

| 14.1 UN-Number | | |
|--|-----------------|--|
| ADR, ADN, IMDG, IATA | not regulated | |
| 14.2 UN proper shipping name ADR, ADN, IMDG, IATA | not regulated | |
| 14.3 Transport hazard class(es) | | |
| ADR, ADN, IMDG, IATA | | |
| Class | not regulated | |
| 14.4 Packing group | | |
| ADR, IMDG, IATA | not regulated | |
| 14.5 Environmental hazards: | | |
| Marine pollutant: | No | |
| 14.6 Special precautions for user | Not applicable. | |
| 14.7 Transport in bulk according to Ann | ex II of | |
| Marpol and the IBC Code | Not applicable. | |
| UN "Model Regulation": | not regulated | |

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

- · Named dangerous substances ANNEX I Substance is not listed.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Technical Department.

· Contact: Technical Director

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· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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