

## LUMITUBE

## 1 – Identification of the substance/mixture and of the company

**Product trade name:** LUMITUBE

**Article number:** N.D.

**Details of the supplier:** GL BIOCONTROL  
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## 2 – Hazard identifications

### 2.1 Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the Globally Harmonised System (GHS).

### 2.2 Labelling according to Regulation (EC) No 1272/2008

Void

**Hazard pictograms:** void

**Signal word:** void

**Hazard statements:** void

### 2.3 Other hazards



**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable

## 3 – Composition/information on ingredients

The product is a mixture of the hazardous substances listed below along with unlisted nonhazardous substances

Name	Concentration	CAS number	
trans-1,2-Diaminocyclohexane-N,N,N			
,N'-tetraacetic acid monohydrate	5-10%	125572-95-4	
Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335			
Citric Acid	<2.5%	77-92-9	
Eye Irrit. 2, H319			

## 4 – First aid measures

### 4.1 Description of first aid measures

**General information:** No special measures required.

**After inhalation:** If the patient feels unwell or is concerned, obtain medical advice.

**After skin contact:** Generally, the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If the patient feels unwell or is concerned, obtain medical advice.

## LUMITUBE

### 4.2 Most important symptoms and effects, both acute and delayed:

None

### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5 – Firefighting measures

### 5.1 Extinguishing media

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### 5.2 Special hazards arising from the substance or mixture

None known

### 5.3 Advice for firefighters

No special advice.

Protective equipment: No special measures required.

## 6 – Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Not required.

### 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling

See Section 13 for disposal information

## 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:** recommended storage temperature: between 2 and 8 °C or between -18 and -24°C

### 7.3 Specific end use(s):

No further relevant information available.

## LUMITUBE

## 8 – Exposure controls/personal protection

### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:** the product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### 8.2 Exposure controls

**Personal protective equipment:**

General protective and hygienic measures: the usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: not necessary

Protection of hands: not necessary

Glove material: the selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Eye protection: not necessary

## 9 – Physical and Chemical Properties

**Form:** Solid.

**Colour:** Colorless

**Odour:** Odourless

**pH:** Not applicable

**Vapor pressure:** Not determinated

**Viscosity:** N.D.

**Boiling point:** Not applicable

**Melting point:** Not applicable

**Self-igniting:** Product is not self-igniting

**Flash point:** Not applicable.

**Danger of explosion:** Product does not present an explosion hazard

**Temperature of decomposition:** 45°C

**Solubility in water:** complete

**Density:** Not applicable

**Molecular Formula:** N/A (complex composition)

**Molecular Weight:** N/A.

**Organic solvents:** under 1.0%

## 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.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known

### 10.4 Conditions to avoid

No further relevant information available

### 10.5 Incompatible materials:

No further relevant information available

## LUMITUBE

### 10.6 Hazardous decomposition products:

No dangerous decomposition products known

## 11 - Toxicological information

Information on toxicological effects

### Acute toxicity:

LD/LC<sub>50</sub> values determined for classification: No data available

### Primary irritant effect:

- Skin corrosion/irritation: No irritant effect.
- Serious eye damage/irritation: No irritating effect.

Respiratory or skin sensitisation

No sensitising effects known

### CMR effects (carcinogenetic, mutagenicity and toxicity for reproduction)

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### 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.

#### 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.

## 12 – Ecological information

### 12.1 Toxicity

Aquatic toxicity: Not harmful to the aquatic environment

### 12.2 Persistence et degradability

No further relevant information available.

### 12.3 Bio accumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

### General information:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water or sewage systems.

### 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### 12.6 Other adverse effects

No further relevant information available

## LUMITUBE

### 13 – Disposal considerations

#### Waste treatment methods

##### Recommendation:

Disposal should be in accordance with applicable regional, national and local laws and regulations.  
Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees

##### Uncleaned packaging:

##### Recommendation:

Disposal must be made according to official regulations

##### Recommended cleansing agents:

Water, if necessary with cleansing agents

### 14 – Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	Not hazardous for transportation Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	None Void
14.3 Transport hazard class(es) ADR, IMDG, IATA ADN AND/R Class:	None Void Void Not regulated
14.4 Packing group ADR, IMDG, IATA	None Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
UN "Model Regulation":	Void

### 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** None of the ingredients is listed.

##### National regulations

**Classification according to VbF:** Void

**Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## LUMITUBE

### 16 – Other information

#### Warranty

The above information, although correct, should not be taken as being all inclusive and is to be used only as a guide. This information is based on our present knowledge and is applicable to the product in question concerning the appropriate security measures to be taken. However, this shall not constitute a guarantee for any specific product features. GL BIOCONTROL shall not be held liable for any damages or losses resulting from the handling or from contact with the product.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity, Hazard Category 4

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

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