

# SAFETY DATA SHEET

Date Revised: Aug 15, 2022

## SECTION 1: Product and Company Identification

**Product Name:** D-Luciferin, sodium salt

**Catalog Number:** D1007

**Manufacturer/Supplier:**

UElandy (Suzhou) Co., Ltd.

Room 302-1, Building 1, No.18 Chunyao Road, Caohu Industrial Park, Xiangcheng District, Suzhou, P.R. China

Phone: 86-512-69571710, mailbox:service@uelandy.com

Web: <http://www.uelandy.com>

## SECTION 2: Hazards identification

**Classification according to Regulation (EC) No 1272/2008[CLP]** None

**Classification according to Directive 1999/45/EC** None

**Labelling according to Regulation (EC) No 1272/2008[CLP]**

**Hazard pictogram** None

**Signal word** None

**Hazard statements** None

**Precautionary statements** None

### HMIS Classification

Health hazard: 0

Flammability: 0

Physical hazards: 0

### NFPA Rating

Health hazard: 0

Fire: 0

Reactivity Hazard: 0

## SECTION 3: Composition/information on ingredients

| Name                     | CAS No.     | EC No. | Index No. | Weight % | Classification according to 67/548/EEC | Classification according to regulation (EC)No1278/2008 |
|--------------------------|-------------|--------|-----------|----------|----------------------------------------|--------------------------------------------------------|
| D-Luciferin, sodium salt | 103404-75-7 | -      | -         | ≥98%     | -                                      | -                                                      |

## SECTION 4: First aid measures

**General advice**



Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## **SECTION 5: Firefighting measures**

**Suitable extinguishing media**

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

**Special protective equipment for firefighters**

Wear self contained breathing apparatus for firefighting if necessary.

## **SECTION 6: Accidental release measures**

**Personal precautions**

Avoid breathing vapors, mist or gas. Remove all sources of ignition.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

## **SECTION 7: Handling and storage**

**Precautions for safe handling**

Avoid inhalation of vapor or mist.

Avoid direct contact with substance.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Store at -20°C.

## **SECTION 8: Exposure controls/personal protection**

**Components with workplace control parameters**

Substance D-Luciferin, sodium salt

Cas no. 103404-75-7

Control parameter No information available

**Personal protective equipment**

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection**



Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## SECTION 9: Physical and chemical properties

|                                       |                          |
|---------------------------------------|--------------------------|
| Chemical Name                         | D-Luciferin, sodium salt |
| Appearance                            | Solid                    |
| Odor                                  | No information available |
| Odor threshold                        | No information available |
| pH                                    | No information available |
| Melting point/freezing point          | Melting point 201°C      |
| Boiling point                         | No information available |
| Flash point                           | No information available |
| Evaporate rate                        | No information available |
| Flammability                          | No information available |
| Explosive limits                      | No information available |
| Vapor pressure                        | No information available |
| Vapor density                         | No information available |
| Relative density                      | No information available |
| Solubility                            | No information available |
| Partition coefficient:n-octanol/water | No information available |
| Auto-ignition temperature             | No information available |
| Decomposition temperature             | No information available |
| Viscosity                             | No information available |
| Explosive properties                  | No information available |
| Oxidizing properties                  | No information available |

## SECTION 10: Stability and reactivity

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

No data available

#### Conditions to avoid

Heat, flames and sparks.

#### Materials to avoid

No data available

#### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - no data available

## SECTION 11: Toxicological information



**Acute toxicity**

**Oral LD50**      None

**Inhalation LC50**      None

**Dermal LD50**      None

**Other information on acute toxicity**      no data available

**Skin corrosion/irritation**      no data available

**Serious eye damage/eye irritation**      no data available

**Respiratory or skin sensitization**      no data available

**Germ cell mutagenicity**      no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**      no data available

**Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

**Aspiration hazard**

no data available

**Potential health effects**

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

**Additional Information**

RTECS: None

**SECTION 12: Ecological information**

**Toxicity**      no information available

**Persistence and degradability**      no information available

**Biodegradation**      no information available

**Mobility in soil**      no information available

**Results of PBT and vPvB assessment**      no information available

**Other adverse effects**      no information available

**Additional information**      no information available

**SECTION 13: Disposal considerations**

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.



#### **SECTION 14: Transport information**

IATA, IMDG, DOT (US) not dangerous good during transportation  
UN number none  
UN proper shipping name none  
Transport hazard class none  
Packing group none  
Environmental hazards none  
Special precaution for user none

#### **SECTION 15: Regulatory information**

##### **US Federal Regulations**

Us Toxic Substances Control Act (TSCA): Not listed  
SARA 302: No chemicals were found.  
SARA 313: No chemicals were found.  
SARA 311/312 Hazards : No chemicals were found.

#### **SECTION 16: Other information**

Reason for revision SDS sections updated  
Version no. 2  
For research use only. Not for use in diagnostic procedures.

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