

# **Safety Data Sheet**

Revision: 02 Date: April 1, 2023

# SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1. Product Identifiers

Product Name Poly-L-Ornithine, Powder

Catalog No 5172

Brand Name Poly-L-Ornithine hydrobromide

CAS No. 27378-49-0

2. Relevant identified uses of the substance or mixture and uses advised against

Identified Uses Laboratory Reagent

3. Details of the supplier of the safety data sheet

Company Advanced BioMatrix, Inc.

5930 Sea Lion Place Carlsbad, CA 92010 USA Phone: 1-800-883-8220 1-760-929-0755 outside USA

Fax 1-510-217-3452

4. Emergency telephone number

Emergency Phone No. 1-800-883-8220

# **SECTION 2 - HAZARDS IDENTIFICATION**

# 1. Classification of the substance or mixture

Not a hazardous substance or mixture.

Classification according to Regulation (EC) No. 1272/2008

2. GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

3. Hazards not otherwise classified (HNOC) or not covered by GHS - None.

# SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

#### 1. Substances

No components need to be disclosed according to the applicable regulations. Classification according to Regulation (EC) No. 1272/2008



# **SECTION 4 – FIRST AID MEASURES**

#### 1. Eye Contact

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician.

#### 2. Skin Contact

Wash skin with copious amounts of water.

#### 3. Inhalation

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration.

# 4. Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water.

# 5. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

# 6. Indication of any immediate medical attention and special treatment needed

No data available

# **SECTION 5 – FIREFIGHTING MEASURES**

#### 1. Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

# 2. Special hazards arising from the substance or mixture

No data available

#### 3. Advice for firefighters

Wear self-contained breathing apparatus for firefight if necessary.

#### 4. Further Information

No data available

# **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

# 1. Personal precautions, protective equipment and emergency procedures

Avoid breath vapors, mist or gas.

For personal protection see section 8.

# 2. Environmental precautions

Do not let product enter drains.

#### 3. Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.



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#### 4. Reference to other sections

For disposal see section 13.

# **SECTION 7 - HANDLING AND STORAGE**

#### 1. Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

For precaution see section 2.2

# 2. Conditions for safe storage, including any incompatibilities

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

Recommended storage temperature 2 to -30°C.

Storage class (TRGS 510): Non Combustible Liquids

#### 3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

# SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

# 1. Workplace control parameters

Contains no substances with occupational exposure limit values.

#### 2. Exposure controls

### **Appropriate engineering controls**

General industrial hygiene practice.

#### Personal protective equipment

#### **Eye/Face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of the contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min Material tested:Dermatril®

Splash contact

Material: Nitrile rubber



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Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatri

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

#### **Body protection**

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

# **Respiratory protection**

Respiratory protection is not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Do not let product enter drains.

# **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** Powder Odor No data available Odor threshold No data available No data available рН Melting point/freezing point No data available Initial boiling point and boiling range No data available Flash point No data available **Evaporation** rate No data available Flammability No data available Upper/lower flammability No data available Vapor pressure No data available Vapor density No data available Relative density No data available Water solubility No data available Partition coefficient: n- octanol/water No data available No data available Auto-ignition temperature Decomposition temperature No data available Viscosity No data available



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No data available No data available

# SECTION 10 - STABILITY AND REACTIVITY

Reactivity

Chemical stability

Possibility of hazardous reactions

Conditions to avoid Incompatible material

Hazardous decomposition products

No data available

Stable under recommend storage

conditions

No data available No data available

No data available

Hazardous decomposition products formed under fire conditions. - Nature of

decomposition products not

known.

\*\*In the event of fire: see section 5.\*\*

# **SECTION 11 - TOXICOLOGICAL INFORMATION**

Acute toxicity No data available Inhalation No data available Dermal 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. 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.

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.

NTP

**ACGIH** 



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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
Repeated exposure
Aspiration hazard
Additional information
No data available
No data available

RTECS No data available

\*\*To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.\*\*

# **SECTION 12 - ECOLOGICAL INFORMATION**

Toxicity
Persistence and degradability
Bioaccumulative potential
Mobility in soil
No data available
No data available
No data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not

required/not conducted.

Other adverse effect No data available

#### SECTION13 - DISPOSAL CONSIDERATIONS

#### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

# Contaminated packaging

Dispose of as unused product.

#### **SECTION 14 – TRANSPORT INFORMATION**

ADR Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods



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# **SECTION 15 - REGULATORY INFORMATION**

SARA 302 Components

No chemicals in this material are

subject to the reporting requirements

of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any

chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III,

Section 313.

SARA 311/312 Hazards No SARA Hazards

Massachusetts Right To Know Components No components are subject to the

Massachusetts Right to Know Act. This product does not contain any chemicals known to State of California to cause cancer birth defects, or any

other reproductive harm.

# **SECTION 16 - OTHER INFORMATION**

**HMIS Rating** 

California Prop. 65 Components

Health hazard 0
Chronic Health Hazard 0
Flammability 0
Physical Hazard 0
NFPA Rating
Health hazard 0
Fire Hazard 0
Reactivity Hazard 0

#### **Further information:**

This information has been prepared by Advanced BioMatrix, Inc. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Advanced BioMatrix, Inc. and its Affiliates shall not be held liable for any damages resulting from handling or from contact with the above product. See <a href="https://www.advancedbiomatrix.com">www.advancedbiomatrix.com</a> for additional terms and conditions of sale.

### **Preparation Information:**

Advanced BioMatrix, Inc. 1-800-883-8220