

SAFETY DATA SHEET

According to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Revision Date: 03/19/2022



PurMa Biologics, LLC

Version 1.4

SECTION 1. Identification

Product identifier

Catalog number: P3502-01, P3502-05, P3502-100, P3502-1000

Product name : PurMa™ CO2 Incubator Treatment

Size : 100 ml, 500 ml, 6X 100 ml, 6X 1000 ml

Category : Tissue Culture Reagent

Relevant identified uses of the substance or mixture:

Identified uses: Solution for the treatment and prevention of contamination within CO2 incubators.

Laboratory use only.

Details of the supplier of the safety data sheet Company information:

PurMabiologics LLC,

755 Research Parkway, Suit No: 450A,

Oklahoma City, OK 73104-3629

United States of America

General Inquiries: +1-877-720-6116, Monday to Friday, 9:00 AM to 5:00 PM central Time (GMT-5)

SECTION 2. Hazards identification

GSH Classification of the substance or mixture Not a hazardous substance or mixture.

GHS-Label elements including precautionary statements Not a hazardous substance or mixture

HMIS Rating:

Health hazard: 0

Chronic Health Hazard: 0

Flammability: 0

Physical Hazard: 0

NFPA Rating:

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

Hazards not otherwise classified (HNOC) or not covered by GHS

None

SECTION 3. Composition/information on ingredients:

Composition: Proprietary

Remarks: No hazardous ingredients according to the OSHA Hazard

No components need to be disclosed according to the applicable regulations.

SECTION 4. First aid measures

Description of first-aid measures:

Inhalation: After inhalation at high temperature above 105°F: fresh air.

Skin contact: After skin contact wash off with plenty of water. Remove contaminated clothing.

Eye contact: After eye contact rinse out with plenty of water.

Ingestion: After swallowing make victim drink water (two glasses at most). Consult doctor if feeling unwell. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: We have no description of any toxic symptoms.

Indication of any immediate medical attention and special treatment needed: No information available.

SECTION 5. Fire-fighting measures

Suitable extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam

Special hazards arising from the substance or mixture: No information available

Advice for firefighters: Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. Accidental release measures

Personal Precautions: Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Methods and Materials for Containment and Cleaning Up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Environmental Precautions: Prevent discharge into the environment. Stop leakage and do not allow material to enter drains

SECTION 7. Handling and storage

Precautions for safe handling: Use personal protective equipment. Exercise appropriate precautions to prevent contact with skin, eyes, or mucous membranes and appropriate measures apply during handling and use. **Conditions for safe storage, including any incompatibilities:** Tightly closed. Dry.

Store at -30°C to -15°C (-22°F to 5°F)

SECTION 8. Exposure controls/personal protection

Exposure limit(s): Contains no substances with occupational exposure limit values. **Engineering measures:** Ensure adequate ventilation, especially in confined areas. Practice general industrial hygiene.

Individual protection measures: Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled. The chemical resistance of the protective equipment should be inquired at the respective supplier.

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 (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.

Body Protection: Wear 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 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)

Environmental exposure controls: Do not let product enter drains. Materials should be handled in a certified biosafety cabinet.

SECTION 9. Physical and chemical properties

- Physical state : Liquid
- Color : Colorless
- Odor : Odorless
- pH Range : No information available.
- Melting point : No information available.
- Boiling point : No information available.
- Self-ignition : Product is not self-igniting
- Evaporation rate : No information available.
- Vapor pressure at 20°C : 23 hPa
- Relative vapor density : No information available.
- Density at 20°C : 0.948 g/cm³
- Relative density : No information available.
- Solubility : Fully water soluble
- Explosive properties : Not classified as explosive.

Oxidizing properties : None

Hazardous Polymerization: No hazardous polymerization occurs

SECTION 10. Stability and reactivity Reactivity: No information available.

Chemical stability: The product is chemically stable under recommended temperature

Possibility of hazardous reactions: No information available

Conditions to avoid: No information available

Incompatible materials: No information available

Hazardous decomposition product: No information available

SECTION 11. Toxicological information

Information on toxicological effects:

Acute toxicity: No data available

Toxicity due to Inhalation: Material may be irritating to mucous membranes and upper respiratory tract.

Skin corrosion/irritation: May cause skin irritation.

Serious eye damage/eye irritation: May cause eye irritation

Toxicity due to Ingestion: May be harmful if swallowed

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity:

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

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

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

ACGIH: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by ACGIH **Further information:**

No toxic effects are to be expected when the product is handled appropriately.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12. Ecological information

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bio accumulative potential: No information available.

Mobility in soil: No information available.

Additional ecological information: Not applicable

SECTION 13. Disposal considerations

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14. Transport information

Land transport (DOT): Not classified as dangerous in the meaning of transport regulations.

Air transport (IATA) Not classified as dangerous in the meaning of transport regulations.

Sea transport (IMDG): Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory information United States of America

SARA 313: 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 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
Clean Water Act: This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

DEA List I: Not listed

DEA List II: Not listed

US State Regulations: Oklahoma Right to Know Act

No components are subject to the Massachusetts Right to Know Act.

California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Notification status

TSCA: All components of the product are listed in the TSCA-inventory.

DSL: All components of this product are on the Canadian DSL.

SECTION 16. Other information

Training advice:

Provide adequate information, instruction and training for operators. **Key or legend to abbreviations and acronyms used in the safety data sheet** Used abbreviations and acronyms can be looked up at www.wikipedia.org.

The information contained herein is based on the present state of our knowledge. It characterizes the product regarding appropriate safety precautions. It does not represent a warranty of any product properties and we assume no liability for any loss or injury which may result from the use of this information. Users should conduct their own investigations to determine the suitability of the information.



PurMa Biologics, LLC

All rights reserved. Is a registered trademark of PurMa Biologics, LLC at Oklahoma, in United States of America.