

MTIOGEN LABORATORIES INC., we encourages and hopes that you will read and understand the entire (M) SDS, as it contains important information. We expect you to follow the precautions provided in this document, unless your specific usage conditions require other more appropriate methods or measures.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name	Product	Product number
MITO-series Polishing Pad	Polyurethane-foam based Pad	MITO-PP-2024-1001

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

Polyurethane-foam based pad for polishing of optical- glasses or -materials

Details of the supplier of the safety data sheet

Registered company name and address:

Company: MTIOGEN LABORATORIES INC.
Address: Poway Road, California 92064 U.S.
(858)386-6292
<https://mitogenlabs.com>

Other emergency numbers

+: Monday to Thursday 08:00-17:00; Friday 08:00-17:30

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments

This material does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This material does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This material does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Label elements

In compliance with EC regulation No. 1272/2008 and its amendments

Additional labeling:

Precautionary statements - General:

None

Other hazards

The material does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 12 of REACH: <http://genesystech.net>

The material fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The material does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Ingredient	CAS-number	EEC-number	CLP-classification [REGULATION(EC) No 1272/2008]	Conc. % (w/w)
Fully cured Polyurethane-foam			Not classified	50-100 %

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

SECTION 4: FIRST AID MEASURES

Inert material. Under normal conditions, the use should not cause any first aid measures.

4.1. Description of first aid measures

In the event of exposure by inhalation

None.

In the event of splashes or contact with eyes

None. Any contact probably will be as solid material. Remove contact lenses. Flush eyes with plenty of water (20-30°C) until irritation stops.

Make sure you flush under the upper and lower eyelids. Contact a physician if pain persists.

In the event of splashes or contact with skin:

Wash skin with soap and water.

In the event of swallowing:

None.

4.2. Most important symptoms and effects, both acute and delayed

None special.

4.3. Indication of any immediate medical attention and special treatment needed Information for the doctor

Bring this safety data sheet.

SECTION 5: FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- foam
- powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use:

- none.

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- Nitrous gases (NO_x)

5.3. Advice for firefighters

Avoid breathing fumes/vapours. Wear self-contained breathing apparatus, gloves, safety spectacles and protective clothes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.1. Environmental precautions

No special requirements.

6.2. Methods and material for containment and cleaning up

Mechanical collection.

6.3. Reference to other sections

See section 13 on "Disposal" with regard to the handling of waste. See section 8 on 'Exposure controls/personal protection' for protective measures.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

No special requirements.

Fire prevention:

None.

Recommended equipment and procedures:

None.

Prohibited equipment and procedures:

None.

7.2. Conditions for safe storage, including any incompatibilities

None special.

Storage

This product should only be used for applications described in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

No controls are necessary, provided that the product is normally used.

Personal protection measures, such as personal protective equipment

- Respiratory Equipment

- No special requirements

- Eye / face protection

- No special requirements.

- Hand protection

- No special requirements

- Body protection

- No special requirements

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Colour	Odour	Melting point	Freezing point	Boiling point or initial boiling point	Flammability	Lower and upper explosion limit	Flash point
Physical state:	Not stated.	Odour threshold:	Melting point/melting range:	Freezing point / Freezing range:	Boiling point/boiling range:	Flammability (solid, gas):	Explosive properties, lower/upper explosivity limit (%):	Flash point interval:
Porous rigid sheets of polyurethane foam.	Not stated.	Not stated.	Not stated.	Not stated.	Not relevant.	Not relevant.	Not relevant.	Not relevant.

Auto-ignition temperature	Decomposition temperature	pH	Kinematic viscosity	Solubility	Partition coefficient n-octanol/water (log value)	Vapour pressure	Density and/or relative density	Relative vapour density
Self-ignition temperature:	Decomposition point/decomposition range:	pH (aqueous solution):	Viscosity / Method for determining the viscosity:	Water solubility / Fat solubility	Partition coefficient: n-octanol/water:	Vapour pressure (50°C):	Density:	Vapour density:
Porous rigid sheets of polyurethane foam.	Not relevant.	Not relevant.	Not relevant.	Insoluble/ Not relevant.	Not relevant.	Not relevant.	0.58 ± 0,03 g/cm ³	Not relevant.

9.2. Other information

VOC (g/l): 0,00

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

None.

10.2. Chemical stability

This material is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

The product may develop vapours of CO, CO₂ and NO_x when burning.

10.4. Conditions to avoid.

No special.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

- nitrous gases (NO_x)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Material

No toxicological data available for the material.

11.2. Information on other hazards

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the material.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

Proper waste management of the material must be determined in accordance with Directive 2008/98/EC.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The product is NOT covered by the regulations on dangerous waste.

Waste:

Waste may be discharged for controlled incineration.

Soiled packaging:

Not applicable.

Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste):

04 02 09 Wastes from composite materials (impregnated textile, elastomer, plastomer)

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15: REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2023/707/EEC
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2024/197. (ATP 21)

- Container information:

No data available.

- Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):
<https://echa.europa.eu/substances-restricted-under-reach>.

- Explosives precursors:

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

- Particular provisions:

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

The above information is believed to be correct but does not purport to be inclusive and shall be used only as a guide. GENESYS TECHNOLOGIES make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

Abbreviations:

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.

*** Ingredients protected by corporate intellectual property: 1–5%; no harmful components.**