



Safety Data Sheet

Section 1 – Identification of the substance/preparation and of the company/undertaking

Identification of the substance or mixture

Product name: Agarose Standard (BioMax)

Catalog number: 820-015-**

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Company details

Wisent Inc.

3645 Principale

Saint-Jean-Baptiste, Qc

Canada J0L2B0

Telephone: +1 (450) 446-2660

Toll-free in Canada: 1-888-947-3681

Fax: +1 (450) 446-7038

Emergency telephone: +1 (514) 777-1312

Wisent Inc.

PO Box 131

St-Bruno, Qc

Canada, J3V 4P8

Section 2 – Hazards identification

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

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

None

Section 3 – Composition/Information on ingredients

Substance/Mixture

Substance

Substance Name

Agarose

CAS-No.

9012-36-6

Components

No hazardous ingredients

Section 4 – First aid measures

Description of first aid measures

General advice

o not leave the victim unattended

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 plenty of water.

In case of eye contact

Immediately flush eye(s) with plenty of water.

Remove contact lenses.

Protect unharmed eye.

If eye irritation persists, consult a specialist.

If swallowed

Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and special treatment needed

The first aid procedure must be established in consultation with the doctor responsible for industrial medicine.

Section 5 – Firefighting measures

Extinguishing media

Suitable extinguishing media

Water, foam, dry powder, carbon dioxide.

Special hazards arising from the substance or mixture

No information available.

Hazardous combustion products

Sulfur oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Section 6 – Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

Environmental precautions

Local authorities should be advised if significant spillages cannot be contained.

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.

Section 7 – Handling and storage

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Conditions for safe storage, including any incompatibilities

Electrical installations / working materials must comply with the technological safety standards.

See label, package insert or internal guidelines.

Keep container tightly closed in a dry and well-ventilated place. Store at 15 to 30°C.

Specific end use(s)

No decomposition if stored and applied as directed.

Section 8 – Exposure controls/personal protection

Control parameters

Exposure controls

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

General industrial hygiene practice. Handle in accordance with good industrial hygiene and safety practice.

Personal protective equipment

Eye/face protection

Use safety glasses.

Skin protection

Handle with gloves. For contact through splashing use nitrile rubber gloves, break through time > 30 min, glove thickness > 0.11 mm.

For full contact use butyl-rubber gloves, break through time > 480 min, glove thickness > 0.4 mm

Gloves must be inspected prior to use.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., 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.

Section 9 – Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Powder
Odor	Odorless
Color	white
pH	Concentration: 10 g/l neutral
Melting point/Freezing point	80 - 89.5 °C
Boiling point	No data available
Flash point	No data available
Auto ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Evaporation rate	No data available
Flammability	Sustains combustion
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Relative density	No data available
Specific gravity	No data available
Water Solubility	partly soluble (20 °C) soluble (100 °C) 10 g/l slightly soluble (80 °C)
Solubility (solvents)	No data available
Partition coefficient	No data available
Explosive properties	No data available
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Bulk density	No data available
Relative vapour density	No data available

Section 10 – Stability and reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended conditions.

Possibility of hazardous reactions

Stable under recommended storage conditions. No hazards to be specially mentioned. Dust may form explosive mixture in air.

Condition to avoid

Exposure to moisture.

Incompatible materials

No data available.

Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as: Carbon oxides.

Section 11 – Toxicological information

Information on toxicological effects

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 sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Section 12 – Ecological information

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

Section 13 – Disposal considerations

Waste treatment methods

Product

Can be disposed as waste water, when in compliance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Section 14 – Transport information

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR Not regulated as a dangerous good

IMDG-Code Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Domestic regulation

TDG

Not regulated as a dangerous good.

Section 15 – Regulatory information

WHMIS Classification

Not controlled

The ingredients of this product are reported in the following inventories

AIIC : On the inventory, or in compliance with the inventory

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



NZIoC : On the inventory, or in compliance with the inventory

ENCS : Not in compliance with the inventory

ISHL : Not in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

Canadian lists

No substances are subject to a Significant New Activity Notification.

Section 16 – Other information

MSDS Date of revision: September 2023

For research use only. Not use for diagnostic procedures.