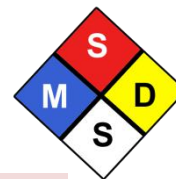




Material Safety Data Sheet

(Prepared according to 1907/2006/EC, Article 31)

Revision Date: 02-April-2019



1. IDENTIFICATION OF THE SUBSTANCE /COMPANY DETAILS

1.1 Product Details:

Trade Name: **AgaPure™ Agarose LE (Standard Agarose)**

Catalog Number: AG005, AG006

1.2 Company Details:

CANVAX BIOTECH, S.L.



: C/ Astrónoma Cecilia Payne. Edif. Orión. 14014 Córdoba, Spain.



: +34 957 325 454



: +34 957 325 335



: info@canvaxbiotech.com

Toxicological Information Service:

European emergency number: 112

Spain:

CHEMTREC 900-868538

CHEMTREC (Barcelona) +(34)-931768545

For Research use only

2. CHEMICAL CHARACTERISATION

Chemical nature: Gelling polysaccharide derived from agar-agar.

CAS-Nº. 9012-36-6

EC-Nº. 232-731-8

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture: This substance is not classified as dangerous according to European Union legislation.

Label elements

Labelling (REGULATION (EC) No 1272/2008): Not a dangerous substance according to GHS.

Labelling (67/548/EEC or 1999/45/EC): The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards None known

4. FIRST AID MEASURES

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Skin contact Rinse with plenty of water. If symptoms arise, call a physician.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Ingestion make victim drink water (two glasses at most). Consult doctor if feeling unwell.

Inhalation Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Most important symptoms and effects, both acute and delayed Diarrhoea

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

Special hazards arising from the substance or mixture Combustible material, Development of hazardous combustion gases or vapours possible in the event of fire.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment.

Methods for cleaning up Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts

Environmental precautions

No special precautionary measures necessary.

7. HANDLING AND STORAGE

Precautions for safe handling Observe label precautions.

Storage Tightly closed. Dry. Store at +15°C to +25°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Hand protection Impervious gloves.

Eye protection Safety glasses with side-shields.

Skin and body protection Lightweight protective clothing.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection Required when dusts are generated. Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form liquid

Appearance No information available



Odour No information available

Boiling Point/Range °C No data available **°F** No data available

Melting point/range °C No data available **°F** No data available

Flash point °C No data available **°F** No data available

Autoignition temperatura °C No data available **°F** No data available

oxidising properties No information available

Water solubility soluble

Information on basic physical and chemical properties

Form solid

Colour white

Odour odourless

Odour Threshold No information available.

pH neutral

Melting point 60 - 90 °C

Boiling point No information available.

Flash point No information available.

Evaporation rate No information available.

Flammability (solid, gas) No information available.

Lower explosion limit No information available.

Upper explosion limit No information available.

Vapour pressure No information available.

Relative vapour density No information available.

Relative density No information available.

Water solubility at 20 °C slightly soluble
at 100 °C soluble

Partition coefficient: noctanol/water No information available.

Autoignition temperature No information available.

Decomposition temperature No information available.

Viscosity, dynamic No information available.

Explosive properties No information available.

Oxidizing properties No information available.

10. STABILITY AND REACTIVITY

Reactivity

The following applies in general to flammable organic substances and preparations: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

Stability Stable under normal conditions.

Materials to avoid No dangerous reaction known under conditions of normal use.

Hazardous decomposition products no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity

absorption

Specific target organ toxicity - single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity - repeated exposure



The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

Based on available data the classification criteria are not met.

Further information

After absorption:

Diarrhoea

Further data:

However, when the product is handled appropriately, hazardous effects are unlikely to occur. Handle in accordance with good industrial hygiene and safety practice.

12. ECOLOGICAL INFORMATION

Toxicity No information available.

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Results of PBT and vPvB assessment This mixture does not contain any substances that are assessed to be a PBT or a vPvB

Additional ecological information

No ecological problems are to be expected when the product is handled and used with due care and attention.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA / ADR / DOT-US / IMDG

Not classified as dangerous in the meaning of transport regulations

15. OTHER INFORMATION

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Users should make independent decisions regarding completeness of the information based on all sources available.

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.

Canvax Biotech S.L. shall not be held liable for any damage resulting from handling or from contact with the above product. See our website for our terms and conditions of sales.