

Date: Sep. 2012
Revision N°: 1

AGAROSE

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Name of the substance or preparation

AGAROSE
N°CAS: 9012-36-6
N°EINECS: 232-731-8

1.2. Use of the substance or preparation

Laboratory use for analysis and research.

1.3. Name and address of the manufacturer

HISPANAGAR, S.A.
C/ Lopez Bravo 98
Poligono Industrial de Villalonquejar
Burgos 09001
Tel.: (+34) 947 298519
Fax: (+34) 947 298518

1.4. Emergency telephone contact

Instituto Nacional de Toxicología (Madrid): 00 34 91 562 04 20 (24h / 365 days)

2. HAZARDS IDENTIFICATION

This material is not considered hazardous to health pursuant to Directive 67/548/CEE, but should only be used in association with suitable hygiene and safety practices.

3. COMPOSITION/ INFORMATION ABOUT THE COMPONENTS

Name of product:	AGAROSE
Chemical composition:	Linear polymer formed of repeating units of D-Galactose and 3,6 anhydro-L-Galactose with alternate 1,4 and 1,3 bonds.
N° CAS:	9012-36-6
N° EINECS:	232-731-8

4. FIRST AID

Inhalation: Remove to fresh air. If there are problems, seek medical assistance

Skin contact: Wash with excess of water. If irritation is persistent, seek medical assistance.

Eye contact: Wash thoroughly with water for up to 15 minutes. If there is persistent irritation, seek medical assistance.

Ingestion: If there is abdominal discomfort, seek medical assistance.

5. FIRE- FIGHTING MEASURES

5.1. Appropriate methods of extinguishing

For fires concerning this material, do not enter or allow anyone to enter any enclosed area without proper breathing equipment.

To extinguish the fire, use water CO₂, etc.

Does not release dangerous substances upon burning.

5.2. Advice for fire-fighters

Special protection equipment: use respiratory protection.

5.3. Other information

All fire debris and the contamination extinction water should be disposed in agreement with the current regulation.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions

Avoid inhaling the powder. Use respiratory protection if there is a lot of dust.

6.2. Environmental precautions

Do not let product enter drains.

6.3. Cleaning methods

Take practical precautions to limit the amount of dust. Sweep up spilt powder.

6.4. Reference to other sections

No hazardous decomposition products.

7. HANDLING AND STORAGE

7.1. Handling

No special measures are required if the product is properly handled.

The product is not capable of causing fire or explosions.

7.2. Storage

Keep storage areas dry to protect product quality.

There is not limit of storing.

Keep containers tightly closed.

7.3. Specific uses

No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure limits

Contains no substances with occupational exposure limit values.

8.2. Exposure Control

8.2.1. Workplace Exposure Controls

8.2.1.1. Respiratory Protection: There is not significant risk. If there is an excessive accumulation of powder, use respiratory protection equipment.

8.2.1.2. Hand Protection

8.2.1.3. Eye Protection: Use appropriate eye protection; use goggles to prevent contact

8.2.1.4. Skin Protection

8.2.2. Environmental Exposure Controls

According to our experience and to the information provided to us, the product does not have any harmful effect to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General Information

Appearance: Powder

Colour: White

Odor: odourless

9.2. Important information for health, safety and environment

pH: 5,5-8,0 in 1% solution

Boiling Point: Not applicable

Ignition Point: Not applicable

Flammability: Not applicable

Explosive Properties: Not applicable

Combustion Properties: Not applicable

Vapour Pressure: Not applicable

Relative Density: Not applicable

Water solubility: 5% maximum by weight

Coefficient of distribution n-octane/water: Not applicable

Viscosity: Not applicable

Vapour density: Not applicable

Evaporation rate: Not applicable

9.3. Other Information

Density: approximately 0,5 gr/cm³

10. STABILITY AND REACTIVITY

10.1. Thermal decomposition/ Conditions to be avoided

There is no risk if it is used for specified purpose.

10.2. Conditions to be avoided

No relevant data available.

10.3. Hazardous Decomposition Products

In case of fire: look at chapter 5.

11. TOXICOLOGICAL INFORMATION

Not hazardous, even at high levels, for inhalation, skin contact, skin absorption or ingestion. Not hazardous in contact with eyes but at high exposure may cause irritation.

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic Toxicity: No information available.

Persistence and degradability: No information available.

12.2. Behaviour in ecological systems

Bioaccumulative potential: No information available.

Mobility in soil: No information available.

12.3. Other environment information

General indications: It is not hazardous for water.

Results of PBT and mPmB assessment

PBT: Not applicable

mPmB: Not applicable

12.3. Other adverse effects

No information available.

13. DISPOSAL CONDITIONS

No special requirements. It is the responsibility of the user to observe all laws, rules and regulations, whether local, regional or national.

14. TRANSPORT INFORMATION

14.1. Road transport (ADR/RID)

Not considered a hazardous material.

14.2. Sea transport (IMDG)

Not considered a hazardous material.

14.3. Air transport (ICAO-TI / IATA-DGR)

Not considered a hazardous material.

15. REGULATORY INFORMATION

A Chemical Safety Assessment has not been made.

16. OTHER INFORMATION

This information is based on our present knowledge. Its objective is to describe the product from the point of view of Safety, and no warranty is made other than its characteristics. This information does not absolve the user if any circumstances from observing other Legislative, Regulatory and administrative requirements applying to the product, and to safety, hygiene and the well-being of the people in the workplace.