MSDS Agarose

1-. IDENTITY OF THE SUBSTANCE AND THE MANUFACTURER
1.1. Name of the substance or preparation
AGAROSE
1.2. Use of the Substance or Preparation
Laboratory use for analysis and research.
1.3. Name and address of the manufacturer
Nippon Genetics Europe GmbH; Binsfelder Strasse 77; 52351 Düren; Germany
1.4. Emergency telephone contact
Nippon Genetics Europe GmbH ++4924212084690

2-. 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.
CAS Nº: 9012-36-6; EINECS Nº: 232-731-8

3-. HAZARDS
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.

4-. FIRST AID
Inhalation: Remove to fresh air. If there are problems seek medical assistance.
Skin contact: Wash with excess water. If irritation is persistent, seek medical assistance.
Eye contact: Wash copiously 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-. IN CASE OF FIRE
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. Do not release dangerous substances upon burning.

5.2. Extinguishing agents that should not be used

5.3. Special Dangers

5.4. Special Protection Equipment

6 -. IN CASE OF SPILLAGE
6.1. Personal Precautions
Avoid inhaling the powder. Use respiratory protection if there is a lot of dust.

6.2. Ambient Precautions

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

7-. HANDLING AND STORAGE
7.1. Handling
Avoid creating dust. Avoid tearing bags.

7.2. Storage
Keep storage areas dry to protect product quality.

7.3. Special Instructions

8. EXPOSURE CONTROLS AND PROTECTION
8.1. Exposure limit
Not known
8.2. Exposure Control
8.2.1. Workplace Exposure Controls
8.2.1.1. Respiratory Protection
No 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. Measures to Control the Atmosphere

9. PHYSICAL AND CHEMICAL PROPERTIES
9.1. General Information
Physical form: Powder; Colour: White; Odour: Faint marine smell
9.2. Important Information for Health, Safety and Atmosphere
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 g/cm3

10. STABILITY AND REACTIVITY
10.1. Conditions to be Avoided
No risk if used for specified purpose
10.2. Materials to Avoid
10.3. Hazardous breakdown products
None

11. TOXICOLOGICAL INFORMATION
Not hazardous, even at high levels, for inhalation, skin contact, skin absorption or ingestion. Not hazardous in contact with the eyes but at high exposure may cause irritation. High concentration of the powder in the workspace may seriously reduce visibility and cause dust to settle in the eyes and nasal passages.

12. ECOLOGICAL INFORMATION
If handled correctly there are no ecological problems.

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
Not considered a hazardous material.

15. REGULATORY INFORMATION
According to European standards, not classified as hazardous.

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 in 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.