

MATERIAL SAFETY DATA SHEET

AGAR

MSDS NO.023

SECTION 1- MATERIAL/COMPANY IDENTIFICATION

Chemical Name	Agar
Company Name	Musashino Chemical (China) Co., Ltd.
Address	No.66 Chunfeng Rd. Economic & Technological Development Zone of Yichun, Jiangxi. 336000 China
Charge Department for MSDS	Safety Management Department
Responsibility for MSDS	Fan Gui-Zeng
Tel.	+86-795-3156266
Fax	+86-795-3196986
Emergency Tel.	+86-795-3156282

SECTION 2- HAZARDS IDENTIFICATION

Hazards	Not applicable
---------	----------------

SECTION 3- COMPSITION/INFORMATION ON INGREDIENTS

Chemical name	Agar
Formula	(C ₁₂ H ₁₈ O ₉) _n
Molecular Weight	336.3350
CAS NO.	9002-18-0

SECTION 4- FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance.
Skin contact	Immediately remove all contaminated clothing, including footwear. Flush skin and hair with plenty of water or tepid water.
Eye contact	Immediately hold eyelids apart and flush eyes with plenty of water at least 15minutes. If irritation persists, call a physician.
Inhalation	Immediately remove to fresh air. If breathing is difficult, give oxygen, call a physician.
Ingestion	If swallowed, drink plenty of water or salt water. If in doubt, Call a physician immediately.

SECTION 5- FIRE FIGHTING MEASURES

Fire extinguish	Use water spray or extinguishing media
Extinguishing media	Carbon dioxide(CO ₂), foam

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation, Wear personal protective equipment, Avoid contact with skin and eyes.
Environmental precautions	Prevent further leakage or spillage. Avoid generating dust.
Methods for cleaning up	Place spilled material in clean, dry, sealable, labeled container Clean up the leaked place with plenty of water.

SECTION 7- HANDLING AND STORAGE

Handling	Keep the container well when handling. Handle the materials on clean clothes and in a cleaned room. Avoid dust formation.
Storage	Keep container tightly closed. Keep in properly labeled containers. Store in areas shielded the light, and below room temperature. Keep away from strong acids and strong oxidizers.
Packaging material	Plastic containers, Paper drum with plastic liner.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures to reduce exposure	Ensure adequate ventilation, especially in confined areas.
Personal protection equipment	Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	Set up safety shower, hands washer and eyes washer nearby handling the materials. Indicate the positions distinctly. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance	It is white or light yellow uniform powder, odorless or with characteristic odor, no pungent odor.
PH (5%)	5.0~7 (15g/L 50°C)
Melting point	No data available
Flash point	No data available
Solubility	Soluble in hot water

SECTION 10- STABILITY AND REACTIVITY

Stability	No data available
Materials to avoid	No data available .
Hazardous decomposition products	No data available

SECTION 11- TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 11,000mg/kg bw. (mouse, ivll)
----------------	------------------------------------

SECTION 12- ECOLOGICAL INFORMATION

Mobility Completely soluble, readily biodegradable does not occur hazardous polymerization.

SECTION 13- DISPOSAL CONSIDERATIONS

Contaminated packaging Decontaminate empty containers with water, dilute with water and flush to waste system. Recycle containers if possible.

Further information Treatment, storage, transportation, and disposal must be in accordance with local regulations.

SECTION 14- TRANSPORTATION INFORMATION

Transportation information Sticking properly on label, indicating material name, lot No., net weight etc. The materials transportation by vehicles, the sender serves deliverers with instructions for safe handling. In transportation confirm leakless of the container, and load the materials not to upset, fall and damage. Secure preventing the load from falling.

SECTION 15- REGULATORY INFORMATION

US Regulations	N/A
FDA	N/A
China Regulations	N/A

SECTION 16- OTHER INFORMATION

Revision Date 2020/06/01