

# SAFETY DATA SHEET

## RIKEMAL S-100

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME RIKEMAL S-100  
CHEMICAL NAME Glycerol Monostearate  
APPLICATION Surfactant  
MANUFACTURER Riken Vitamin Co., Ltd.  
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SUPPLIER

EMERGENCY TELEPHONE Tel:

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### 2 HAZARDS IDENTIFICATION(FOR UN)

CLASSIFICATION

Physical	Not classified.
Health	Not classified.
Environmental	Not classified.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Substance

Chemical name	Composition(%)
Glycerol Esters of Fatty Acids	100%

### 4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### **5 FIRE-FIGHTING MEASURES**

#### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials. Use: Water spray, fog or mist. Carbon dioxide (CO<sub>2</sub>). Dry chemicals.

#### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### **6 ACCIDENTAL RELEASE MEASURES**

#### SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

### **7 HANDLING AND STORAGE**

#### USAGE PRECAUTIONS

Provide good ventilation. Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation.

#### STORAGE PRECAUTIONS

Should be kept in cool, dry and shaded conditions, tight containers.

### **8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### ENGINEERING MEASURES

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

#### RESPIRATORY EQUIPMENT

Dust mask/respirator.

#### HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

#### EYE PROTECTION

Wear approved safety goggles.

#### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

#### SKIN PROTECTION

Wear apron or protective clothing in case of contact.

### **9 PHYSICAL AND CHEMICAL PROPERTIES**

#### APPEARANCE

A white bead-like powder.

#### ODOR

A slightly characteristic odor.

#### SOLUBILITY

Practically insoluble in water. Soluble in: ethyl ether.

#### MELTING POINT (° C)

67.0 °C

#### pH-VALUE, DILUTED SOLUTION

7.9 (1 % suspension)

FLASH POINT (° C) 221 °C  
Upper/lower flammability or explosive limits 220~240 g /m<sup>3</sup>

## **10 STABILITY AND REACTIVITY**

### STABILITY

Stable usually under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### MATERIALS TO AVOID

No information.

### HAZARDOUS DECOMPOSITION PRODUCTS

No information

## **11 TOXICOLOGICAL INFORMATION**

### TOXICOLOGICAL INFORMATION

It has no acute toxic effects at practicable dosage levels. <sup>1)</sup>

### INHALATION

Dust in high concentrations may irritate the respiratory system.

### INGESTION

May cause discomfort if swallowed.

### EYE CONTACT

Particles in the eyes may cause irritation and smarting.

## **12 ECOLOGICAL INFORMATION**

### ECOTOXICITY

No data on possible environmental effects have been found.

## **13 DISPOSAL CONSIDERATIONS**

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## **14 TRANSPORT INFORMATION**

GENERAL Not regulated.

## **15 REGULATORY INFORMATION**

## **16 OTHER INFORMATION**

References : 1) WHO Food Additives Series No.5,238(1974)

**DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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