



## Safety Data Sheet

---

### Safety Data Sheet dated 02/15/2022, version no. 3

*(This document is valid 5 years from the date of issuance)*

---

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

Trade name: WHIRLFLOC G 20KG  
Trade code: 20547358 (Legacy Code: 5H01052)  
Product Type and Use: Processing aid in the manufacture and production of beer  
Company: Kerry Manufacturing Philippines Inc.  
FPIP I RS Diaz Avenue Corner Second St. FPIP Tanauan City, Batangas 4232 Philippines

---

### 2. HAZARDS IDENTIFICATION

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	Content
Carageenan (E407)	9000-07-1	100%

---

### 4. FIRST AID MEASURES

#### Contact with skin:

Symptoms and effects: There is no known acute effect after over-exposure to this product.

First aid measures: Wash with plenty of soap and water.

First aid facilities: Not relevant.

#### Contact with eyes:

Symptoms and effects: There is no known acute effect after over-exposure to this product.

First aid measures: Wash immediately with water for at least 10 minutes.

First aid facilities: Ensure that eye wash stations are close to the workstation

#### Ingestion:

Symptoms and effects: There is no known acute effect after over-exposure to this product.

First aid measures: Rinse mouth with water. Drink at least 250ml of milk or water for dilution. Do not induce vomiting or give anything by mouth to an unconscious person.

First aid facilities: Not relevant.

#### Inhalation:

Symptoms and effects: There is no known acute effect after over-exposure to this product.

First aid measures: Remove to fresh air. Keep at rest in a comfortable position.

First aid facilities: Not relevant

---

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: CO<sub>2</sub>, foam, dry chemical, water  
Unsuitable extinguishing media: No specific hazard, avoid inhaling the fumes. Use protection for the airways.



## Safety Data Sheet

Risks arising from combustion:

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, such as self-contained breathing apparatus. No specific hazard, avoid inhaling the fumes.

Protective equipment:

Use protection for the airways

---

## 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Handle in accordance with good occupational hygiene and safety practices. Avoid unnecessary breathing of dust.

Environmental measures:

Spillages: Spills will become slippery if wetted. Dispose of in compliance with local by-laws. Limit spills or leaks with appropriate equipment. If the preparation has escaped into a watercourse or an external drainage system or has contaminated ground or vegetation, notify the appropriate competent authority.

Cleaning methods:

Prevent the spills or leaks from entering external drainage systems and then use spillage containment procedures to undertake cleaning operation

---

## 7. HANDLING AND STORAGE

Handling precautions: Avoid contact and inhalation of the vapors. Do not eat or drink while working.

Incompatible materials: None in particular.

Storage conditions: We recommend that this product is stored in cool and dry place, clean warehousing and protected from exposure to moisture. Exposure to excessive hot or cold temperatures should be avoided.

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational precautionary measures: Not needed for normal use

Respiratory protection: Dust mask

Protection for hands: Gloves

Eye protection: Splash goggles or safety glasses

Protection for skin: Gloves

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and color: Pale brown granules

Odor: No off odor

pH (1.5% soln): 8.5-10.5

Solubility in water: Carrageenan in this product is insoluble in cold water. Will dissolve in water at 70°C or higher. This may result in gel formation on cooling.

Viscosity (1.5% soln): Minimum 5 cps

---

## 10. STABILITY AND REACTIVITY

Chemical stability: This product is stable under normal conditions of use. No hazardous conditions



## Safety Data Sheet

have been identified.

Conditions to avoid: No hazardous conditions have been identified.

Materials to avoid: Contacts with strong acid and oxidizing agents.

Hazardous decomposition: Possibility of sulphur oxides being released on combustion.

---

### 11. TOXICOLOGICAL INFORMATION

There is no toxicological concern

---

### 12. ECOLOGICAL INFORMATION

Adopt good working practices so that the substance/preparation is not released into the environment.

---

### 13. DISPOSAL CONSIDERATIONS

Dispose of in compliance with local, national and EU regulation currently in force. Indicated specific method if applicable.

Waste disposal method: Sanitation landfill or incineration in accordance with local regulations.

Empty containers: As for waste disposal method above.

---

### 14. TRANSPORT INFORMATION

This product is not a dangerous good according to international regulations for transport. No special precautions required.

---

### 15. REGULATORY INFORMATION

The product is produced in accordance with Philippines Food Regulation / JECFA.

---

### 16. OTHER INFORMATION

N/A

**IMPORTANT FOR YOUR PROTECTION:** The information and recommendations contained herein are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty of representation in respect of safety in use, suitable and efficacy or otherwise including freedom from patent infringement. Users should make their own tests for their particular purpose. We cannot accept any liability for any loss, damage or infringement arising from the use of the information and recommendation contained herein.