



# Safety Data Sheet

## ATPGroup Brewers Kettle Carrageenan (BKC)

### 1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name: Brewers Kettle Carrageenan  
Synonyms: Semi Refined Carrageenan  
Use of Product: As gelling agent and stabilizer for processed meat, beverage, confectionery, dessert, pharmaceuticals and personal care products

Supplier of the Safety Data Sheet:  
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### 2. HAZARDS IDENTIFICATION

Potential Health Effects:  
Eye contact: None  
Skin contact: None  
Ingestion: No hazard known by ingestion  
Product causes slipperiness in contact with water.

Information pertaining to special dangers for humans and environment Dust may cause irritation to upper respiratory tracts and lungs.  
Accumulation of fine dust may entail the risk of a dust explosion in the presence of air and an ignition source.

### 3. COMPOSITION/ INFORMATION OF INGREDIENTS

COMPOSITION	CAS Number	EC Number
K Carrageenan	11114-20-8	234-350-2

### 4. FIRST AID MEASURES

Skin contact: Wash out completely.  
Eyes contact: Rinse with clean water  
Throat: Rinse out the mouth  
Inhalation: Remove with fresh water. Treat irritation symptomatically. Call a doctor.

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**5. FIRE FIGHTING MEASURES**

Extinguishing media

Suitable: Carbon Dioxide (CO<sub>2</sub>), Foam, Water

Unsuitable: -

Exposure hazard: Combustion gases possible in the event of fire

Protective equipment: Self-contained breathing apparatus

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions:

Avoid contact with eyes.

Wear suitable protective clothing and shoes or slippers.

Environmental precautions:

If the product is spilled, sweep, and clean the floor, in case the floor is wet. It gets to be slippery.

Methods of cleaning up:

Do not use water.

Sweep and clean the floor.

**7. HANDLING AND STORAGE**

Handling:

Handle in accordance with good industrial hygiene and safety procedure.

Wear suitable gloves.

Storage:

By sealing well and keeping away from heat and ignition source.

Store cool and dry.

**8. PERSONAL PROTECTION AND EXPOSURE CONTROLS**

Respiratory protection: Wear a protection mask in the presence of dust.

Hand protection: Wear protective gloves.

Eyes protection: Wear protective glasses.

Skin protection: Wear suitable protective clothes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical properties

## ATPGroup Brewers Kettle Carrageenan (BKC)

Appearance	cream to light brown
Moisture Content	Max.12.0%
Particle size	10 mesh
PH	7-10
Viscosity (1.5% at 60°C)	Min.100 cps
KCl Gel Strength (1.5% Gel + 0.2%KCL at 20°C)	min. 600 g/cm <sup>2</sup> (Brookfield CT3)
Water Gel Strength (1.5% Gel at 20°C)	min. 100 g/cm <sup>2</sup> (Brookfield CT3)

**10. STABILITY AND REACTIVITY**

Stability: Stable in normal condition.

Condition to avoid: Avoid moisture absorption and contamination.

Carrageenan is a gelling and thickening agent in food products and widely applications. It is not reactive.

**11. TOXICOLOGICAL INFORMATION**

Carrageenan is granted an ADI as not specific by the joint FAO / WHO Expert Committee on Food additives, which means that its use in food is not limited except by good manufacturing practice. LDS0, Oral, Rat: > 5000 mg/kg.

**12. ECOLOGICAL INFORMATION**

As a carrageenan is biodegradable, it does not present long term ecological problem. Disposal of small amounts does not cause problems; however, the large amount should be dumped in an approved landfill area.

**13. DISPOSAL CONSIDERATION**

Care should be taken when the user disposes of carrageenan.

Product:

In general, the disposal of these chemical residues is regulated in each European country by specific laws and regulations.

We suggest contacting the Authority in charge or qualified and authorized companies which can give information about disposal of substances.

Packing:

Disposal in accordance with the national regulations. The infected packing has to be handled with the same caution used for dangerous substances.



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No infected packing can be treated or recycled as normal residues if not shown any other different instruction.

### 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.  
Not listed in 49 of the U.S. code of Federal Regulations as a Hazardous Material

### 15. REGULATORY INFORMATION

Indonesia:

SNI 01-4498-1998 (Toxic and hazard material) not list

United States:

Section 302: extremely hazardous substance (not applicable)

Section 311: hazard category (not applicable)

TSCA (Toxic Substance Control Act)

### 16. OTHER INFORMATION

NFPA (National Fire Protection Association)

Health	1
Flammable	1
Reactivity	0
Personal protection	None

Degree of hazard code:

4. extreme; 3. High; 2. Moderate; 1. Slight; 0. Significant

**Revision Information:** SDS Revision Date: Sept 18, 2023

Disclaimer:

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