

# MATERIAL SAFETY DATA SHEET

According to ISO 11014-1 and CEE 91/155

**Flanogen™ WAF 500**

## 1- SUPPLIER AND PRODUCT

**SUPPLIER:** Cargill France SAS  
Usine de Baupte  
50500 CARENTAN  
FRANCE  
TEL : + 33.2.33.71.34.00 FAX : + 33.2.33.71.34.65

## 2 - COMPOSITION

CHEMICAL NAME	CAS NUMBER	EINECS NUMBER
Carrageenans	9000-07-1	232-524-2
Guar gum	900030-0	232-536-8
Potassium Chloride	7447-40-7	231-211-8
Dextrose	77938-63-7	-----

## 3 – HAZARD IDENTIFICATION

**Identification of specific danger for human beings or environment:** Not dangerous product

**Signs and specific risks:** In presence of water, the product makes a slippery surface.

**Recommendation:** Contact with skin, eyes or inhalation can be irritant for sensitive persons due to the product hydrophile properties.

## 4 – FIRST AID

**Skin contact:** Wash with soap and water.

**Eye contact:** Rinse immediately with plenty of water. If irritation persists, obtain medical advice.

**Ingestion:** No risk if small quantity ingested.

**Inhalation:** Inhale fresh air.

## 5 – IN CASE OF FIRE

---

**Special measures for fire fighting:** Water – Foam – Powder

**Particular fire / Explosion hazards:** Material can burn in presence of flame and continues when flame disappears. The smoke characteristics can be compared to an organic product.

## 6 - SPILLAGES

---

**Cleaning procedures:** Remove the material by aspiration in order to avoid dust accumulation. If needed, wash the surfaces with water **ATTENTION !** Surfaces may be slippery if not cleaned correctly. Collect the product in order to recycle or destroy it as per point 13.

## 7 – HANDLING AND STORAGE

---

**Handling:** To be handled in open well ventilated area in order to avoid dust formation. Humid atmosphere to be avoided.

**Storage:** Store in closed containers, away from heat sources and protected from extremes of temperature, light and humidity. Store separately from any flavor or chemical products.

## 8 – INDIVIDUAL PRECAUTIONS

---

**Hand protection:** No specific recommendations.

**Eyes protection:** Glasses are recommended during handling.

**Respiratory protection:** Anti-dust mask is recommended during handling.

## 9- PHYSICO-CHEMICAL CONSTANTS

---

<b>Physical form:</b>	fine powder	pH : 8 - 11 (in water)
<b>Color:</b>	from creamy-white to light-brown color	
<b>Odor:</b>	none	
<b>Melting Point °C:</b>	decomposition from 200°C	
<b>Boiling point °C:</b>	decomposition before ebullition	
<b>Flash point °C:</b>	not apply	
<b>Density (25°C):</b>	0.6 – 0.7 g/cm <sup>3</sup>	
<b>Solubility in water:</b>	A complete dissolution can be obtained from 70°C (158°F).	

## 10 – STABILITY AND REACTIVITY

---

**Stability:** Stable in normal conditions of temperature and pressure

**Conditions to avoid:** Usual protection in order to avoid dust explosions (concentration < 0,1 g/l)..

**Hazardous decomposition:** Thermal decomposition give smoke (see & 5).

## 11 – TOXICOLOGICAL DATA

---

<b>DL 50 oral (rat):</b>	> 5 000 mg/kg
<b>Skin contact effects</b>	may be irritant for sensitive persons
<b>Eye irritation</b>	
<b>Others information</b>	

## 12 – ECOLOGICAL DATA

---

**Toxicity (fish):** No data available (avoid product getting into natural environment).

**Bio-degradability:** Biodegradable polysaccharide.

## 13 – DISPOSAL

---

**Destruction of the product:** To be recycled if possible. Destruction in specialized centers in accordance with state legislation.

**Treatment of empty containers:** Eliminate in specialized centers according to state legislation.

## 14 – TRANSPORTATION INFORMATION

---

<b>Road:</b>	Non-hazardous
<b>Sea:</b>	
<b>Air:</b>	
<b>Specificity:</b>	Avoid humidity

## 15 – LEGISLATIVE INFORMATION

---

## 16 – ADDITIONAL INFORMATION

---

*The information contained herein is obtained from reputable sources and is to the best of our knowledge current at the mentioned date. It conforms to existing legislation and is given in good faith. The onus is on the User to take sensible precautions and to adhere to good manufacturing practices. Attention of users is drawn to potential hazards which may result from improper use of the product.*