



MATERIAL SAFETY DATA SHEET
as 91/155/EU
and 1907/2006 EU, 1272/2008
and Commission Regulation N° 453/2010 EU

<u>1- Identification of the substance or preparation and the society</u>	
- Data of the product:	
- Commercial name:	Carragenina, Gungel, Gumvis, Frugel, Flanolacta, Ceangel, Ceamvis, Ceamlacta, Ceangum, Ceambloom, 820723
- DOCID:	
- Producer/supplier:	COMPANIA ESPAÑOLA DE ALGAS MARINAS S.A. (CEAMSA) Polig. Industrial Las Gándaras s/n 36.418 Atios Porriño (Pontevedra), Spain tel +34 986 34 40 89 fax +34 986 33 66 21 http://www.ceamsa.com CEAMSA CEAMSA (34) 986 330 386 (8-15h)
- Information sector:	
- Emergency information:	
<u>2- Composition / Information about components</u>	
- Chemical characteristics:	
- Denomination as per num.-CAS:	Carrageenan.
- Identification numbers:	
- EINECS number:	232-524-2
- Additional notices:	
<u>3- Identification of dangers</u>	
- Dangers:	The product do not need labelling in accordance with European Community directives or respective national laws.
- Special notice about dangers for people and environment:	Not necessary.
- Classification system	The classification corresponds to the present lists of the EU.
<u>4- First Aid</u>	
- General instructions:	
- After inhalation:	Supply fresh air.
- After contact with skin:	Wash with water and soap.
- After contact with eyes:	Wash with water.
- After intake:	Consult the doctor
<u>5- Fire fighting measures</u>	
- Flammable Properties :	When exposed to open flame or extremely high heat, carrageenan will char and eventually disintegrate with emission of smoke, leaving only residual ash.
- Flash Point :	Not a flammable solid by DOT regulations
- Method Used :	Not applicable
- Flammable Limits :	Not applicable
- Suitable quenching substances:	CO ₂ , quenching powder or water jet.
- Fire & Explosion Hazards :	As with all dust aerosols, an open flame or spark may result in fire or explosion.



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- Special protection equipment :	As any fire, wear self-contained breathing apparatus and full protective gear.
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6- Measures to be taken in case of accidental pouring	
- Protection measures regarding people:	Breathing protections.
- Protection measures for environment:	Dilute in water.
- Cleaning reception procedure:	Eliminate with absorbent material (sand...).
- Additional notes:	Not required.

7- Handling and Storage	
- Handling	With care.
<u>Instructions for safe handling</u>	
- Instructions about fires and explosions:	Special measures not required.
- Storage:	
- Qualities required for warehouses and vessels:	Storage in vessels protected against dampness.
- Instructions about combined storage:	None
- Additional instructions about storage conditions:	None
- Type of storage:	
- Type of VbF:	

8- Controls of Exposure / Personal Protection	
- Additional instructions about the conditioning of technical installations:	Without additional data, see item 7
<u>Component of limit values to be watched with repercussions to the work place</u>	
<u>Number</u> -CAS denomination as per	<u>%</u> <u>type</u> <u>unit value</u>
Suppressed	
- Additional Instructions:	The lists in force at the moment of elaboration served as bases.
<u>Personal protection equipment</u>	
- General measures of protection and hygiene:	Normal safety measures are to be complied with.
- Breathing protection:	Not required
- Hand protection:	Not required
- Eye protection:	Not required
- Body protection:	Not required



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9- Physical and chemical properties			
- Shape:		Powder.	
- Colour:		Beige.	
- Odour:		Inodorous.	
- State modification:		Value/sector	unit method
- Melting point:		Undetermined.	
- Boiling point:		Undetermined.	
- Ignition point:		Undetermined.	
- Blasting temperature:		Undetermined.	
- Explosion danger:		Undetermined.	
- Steam pressure:		Undetermined.	
- Density:		Undetermined.	
- Apparent density:		700 Kg/m ³ .	
- Solubility in/mixing capacity with water:			
- PH value:		7-9,5	

10- Stability and reactivity	
- Thermal destruction/conditions to be avoid:	High temperatures at low pH.
- Dangerous reaction:	Undetermined.
- Dangerous products of decomposition:	Undetermined.

11- Toxicological information			
- Acute toxicity:		Not toxic.	
- Relevant values LD/LC50 for classification:		Undetermined.	
Component	type	value	species
- Primary stimulation effect:		Undetermined.	
- On the skin:		Undetermined.	
- In the eye:		Undetermined.	
- Sensibility:		Undetermined.	
- Toxicological additional instructions:			

12- Environmental Information	
- General instructions:	Carrageenan is natural source (seaweed) isolate, and should not have any negative effect over the environment.



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13- Considerations relative to elimination

- **Product:** Carrageenan.
- **Recommendations:** Special conditions not required.
- **Non-purified packing:**
- **Recommendation:** Special conditions not required.
- **Recommended purification medium:** Special conditions not required.

14- Transport information

- **Land transport ADR/RID and GGVS/GGVE (national and international):** Material not dangerous
- **IATA y DOT:** Do not restricted
- **Type ADR/RID-GGVS/E:** Material not dangerous
- **Figure/letter:**
- **Transport additional data:** It is not dangerous material according to higher authorities.

15- Rules information

- **Distinction as per EU directives:** Rules as per EU directives are complied with.
- **Domestic rules:**
- **Classification as per VbF:**
- **Air technical instruction:**

Type _____ content in a %

- **Type of danger for the water:**

16- Other information

The above data are based per our present knowledge but they do not constitute any guarantee of qualities of the product and do not generate any contractual juridical relationship.

- **Sector issuing data sheet:**
- **Interlocutor:**
- **Emission date:** 02/01/2011