



1. Chemical Product and Company Identification

Table with 2 columns: Property (Generic Name, Chemical Family, Formula, EINECS, CAS) and Value (Diatomaceous Earth, Silicates, SiO2, 310-127-6, 61790-53-2); Property (Manufacturer, Address, Emergency, International) and Value (DiatomaceousEarth.com, 790 W Lookout Rd., Chemtrec USA (800) 424-9300, +01 (703)527-3887 Collect).

2. Hazard Identification

Prolonged and repeated exposure to excessive concentrations of this product’s dust or any nuisance dust can cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratchiness or redness. This product has not been classified as a carcinogen by NTP or IARC.

Table with 2 columns: 2.1 GHS Classification (Physical and chemical hazards, Human Health, Environment) and 2.2 Label elements (Pictogram, Signal Word, Hazard Statement, Precautionary Statements). All values are 'None' or 'No Classification'.

3. Composition Information On Ingredients

Table with 2 columns: Ingredient Name, CAS Number, % (Uncalcined) and Value (Natural Diatomaceous Earth (DE), Amorphous Silica, Natural Silicon Dioxide (SiO2), 61790-53-2, 100%, 6mg/M3 Total Dust (MSHA), 10mg/M3 Total Dust (ACGIH)).

4. First Aid Measures

Table with 2 columns: First Aid Measure (Inhalation, Eyes, Skin Contact, Skin Absorption, Ingestion) and Value (Remove to fresh air..., Flush eyes..., N/A, N/A, NOT HAZARDOUS WHEN INGESTED).

5. Fire Fighting Measures

Table with 2 columns: Fire Fighting Measure (Flash Point, Auto Ignition Temperature, Unusual Fire and Explosion Hazards) and Value (Non-Flammable, None, None).

6. Accidental Release Measures

Procedures for Spill/Leak: Vacuum Clean dust with equipment fitted with HEPA filter. Use a dust suppressant such as water if sweeping is necessary.

7. Handling And Storage

Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Seal broken bags immediately Continue to follow all SDS/Label warnings when handling empty containers.

8. Exposure Control / Personal Protection

Table with 2 columns: Personal Protection Measure (Goggles, Gloves, Respirator, Ventilation, MSHA PEL, ACGIH TLV) and Value (Goggles or Safety Glasses..., Not normally required., <10X PEL..., <50X PEL..., <200X PEL..., Use Sufficient Natural or Mechanical ventilation..., 6 mg/M3 total nuisance dust..., 10 mg/M3 Total Dust).

## FOOD GRADE AGAR-AGAR

### Agar G-900

#### DESCRIPTION

ISI's **Agar-Agar G-900** is an economical, high gelling gum designed for a variety of food applications including baked goods, confectionery and various jelly products. It is easily dispersed and fully hydrates upon heating to 100°C.

#### SPECIFICATIONS

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##### Primary

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- Water Gel Strength (1.5% solution) ----- 850-950 g/cm<sup>2</sup> (Ta.Xt) ----- WV003
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##### Standard

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- Powder color ----- white to yellow ----- GEN001
  - Powder Particle Size ----- 90% through 80 Mesh ----- GEN002
  - Moisture ----- Maximum 22% ----- GEN003
  - pH (1.5% Soln. @60°C) ----- 5.5-7.0 ----- GEN016
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##### Microbiological

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- Total Plate Count ----- Less than 3000 cfu/g ----- FDA BAM
  - Mold and Yeasts ----- Less than 300 cfu/g ----- FDA BAM
  - E. Coli ----- None Detected ----- FDA BAM
  - Salmonella ----- None Detected ----- FDA BAM
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**Ingredients labeling:**      Agar

**Typical Use Level:**        Varies by application

# FOOD GRADE AGAR-AGAR

## TYPICAL NUTRITIONAL ANALYSIS SUMMARY

<b>Nutrient</b>	<b>Quantity (Dry per 100g)</b>
Calories	385
Total Fat	0.2 g
Total Carbohydrate	95 g
Total Dietary Fiber	95 g
Total Sugars	0.2 g
Total Protein	1.0 g
Sodium	N/A

\* **NOTE!** Agar-Agar is soluble dietary fiber and thus subject to the 4-9-4 rule. However, the Carbohydrate component in Agar is non-digestible and therefore non-caloric.

### Technical Service

For assistance with this or any ISI products, please contact our technical service representatives at **1-800-628-3166**.

### Shelf Life & Storage

Twenty-five (25) Kg., 3-ply, poly-lined paper bags. Store this product in a cool, dry environment. When using recommended storage conditions, shelf life is two years in original, unopened packaging.

### Regulatory

The agar-agar in this product is generally recognized as safe\* under 21 CFR 184.1115 and may be used in food as a formulation aid, stabilizer and thickener with no limitation other than good manufacturing practice.

\* A substance is considered GRAS when experts, qualified by scientific training and experience, declare a substance generally recognized as safe.

### Warranty

Ingredients Solutions, Inc. warrants that its products are not misbranded or mislabeled at the time they are shipped from its plant or warehouse. ISI makes no other warranties express or implied regarding its products. Application recommendations made by ISI are based on its research using specific formulations and ingredient sources and are believed to be accurate at the time of printing. However, ISI cannot guarantee the suitability of its products for a given use and suggests that customers review application suitability with a technical representative of ISI. ISI cannot warrant against possible infringement of third-party application patents and recommends that its customers review the relevant patent literature.

## 9. Physical and Chemical Properties

Appearance and odor	Fine white powder, no odor
Specific Gravity (water =1)	2.2
PH	7.5-9.0
Boiling Point	N/A
Vapor Pressure	N/A
Boiling Point	N/A
Water Solubility (%)	N/A
Evaporation rate	N/A
Melting Point	N/A
% Volatile by Volume	NIL

## 10. Stability and Reactivity

Material is Stable	Hazardous Polymerization cannot occur
Chemical incompatibilities	Hydrofluoric Acid
Conditions to Avoid	None in designed use

## 11. Toxicology Information

Prolonged and repeated exposure to excessive concentrations of this product's dust, or any nuisance dust, can cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratchiness or redness. This product has not been classified as a carcinogen by NTP or IARC.

## 12. Ecological Information

Generally considered chemically inert in the environment. Used material that has become contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

## 13. Disposal Considerations

Waste is not hazardous as defined by RCRA (40 CFR 261). Other state and local regulations may vary, consult local agencies as needed. Used material that has become contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

## 14. Transportation Information

D.O.T. Proper Shipping Name	Earth, Diatomaceous, Crude or Ground.
Hazard Classification	Not Restricted

## 15. Regulatory Information

OSHA	Hazard Communications Standard, 29 CFR 1910.1200: Material considered hazardous, see section 3
RCRA	This material is not defined as hazardous waster per 40 CFR 261
TSCA	This material is listed in the TSCA inventory and is not otherwise regulated by TSCA Sec 4,5,6,7 or 12
CERCLA	Material is not reportable under CERCLA, local requirements may vary
SARA	311/312 hazard categories-Immediate and delayed health, 313 reportable ingredients: None
CANADA	This product is listed on the DSL
CALIFORNIA	Proposition 65, Not Applicable
EU Regulation (EC) N ° 1272/2008	This material is labeled and supported accordingly with GHS standards
European Existing Chemicals (EINECS)	All of the components of this product are included on EINECS

## 16. Other Information

