



Date of Issue: January 13, 2006

MATERIAL SAFETY DATA SHEET

Product Name: Cranberry Seed Protein Powder

1. Chemical Product and Company Identification

Identification of Substance: Cranberry Seed Extract
Product Description: Cold-pressed flour from seeds of American cranberry
Manufactured for: Sojitz Corporation of America
Three Riverway Suite 800, Houston TX 77056
Telephone: (713)-966-5758 Fax: (713)-966-5770
Customer Service: Telephone: (713)966-5754

2. Composition / Ingredient Information

INCI Name (proposed): Vaccinium macrocarpon (cranberry) Seed Flour
Health Hazard Components: None

3. Hazards Information

Health Hazards

Non irritant

Environmental Hazards

None

Physical & Chemical Hazards / Fire and Explosion Hazards:

Flash Point: 450 F

Ignition Temperature: 650 F

4. First Aid Measures

Inhalation: No emergency care anticipated

Skin Contact: Wash thoroughly with soap and water

Eye Contact: Not known to cause eye irritation. If irritation occurs, flush thoroughly with water.

Ingestion: Not harmful for ingestion.



5. Fire-Fighting Measures

Fire-Fighting Procedures: Use dry chemical, CO₂ or alcohol form. Do not use water.
Hazardous Combustion Products: May undergo spontaneous heating and combustion

6. Accidental Release Measures

Personal Precautions: Ground may become very slippery. Wear gloves and apron.
Spillage / Leakage: Remove with liquid / oil absorbing material (sand, sawdust)
Environmental Precautions: N/A

7. Handling and Storage:

Handling: no specific measure required
Storage Temperature: cool and dry, ambient
Transport Temperature: ambient
Loading / Unloading Temperature: ambient

8. Exposure Controls / Personal Protection

Personal Protection: wear gloves and apron
Industrial Hygiene: good industrial hygiene measure should be applied
Occupational Exposure Limits: none established

9. Physical and Chemical Properties

Physical State (20°C): light red powder
Odor: characteristic of grain flour, mild cranberry aroma
PH as Supplied:
Specific Gravity (H₂O=1):
Solubility in Water (20°C):
Refractive Index:
Water Content:
Vapor Pressure:



10. Stability and Reactivity

Stability:	stable under normal conditions
Conditions to Avoid:	heat, direct sunlight, contact with ignition source
Incompatibility:	oxidizers, chlorine
Hazardous Decomposition Products:	Cox
Thermal Decomposition:	190 F
Hazardous Polymerization:	does not occur

11. Toxicological Information

No dangers known.

Ingestion, inhalation

Harmful effects not expected

Skin, eye contact

Not known to cause skin irritation. If irritation occurs, flush thoroughly with water.

12. Ecological Information

Degradability: readily biodegradable

13. Disposal Considerations

Dispose of waste in accordance with local, state & Federal regulations.

14. Transport Information

No special packing or transport requirements. Non-hazardous.

Labeling of Packaging: No special requirements



Sojitz Corporation of America

D.O.T.: Cranberry flour is not a hazardous material for purposes of transportation under the U. S. Department of Transportation Table of Hazardous Materials, 49 CFR 172.101

15. Regulatory Information

European / International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

R 10 Flammable.

Risk Phrases:

R 10 Flammable. R 36 Irritating to eyes.

Safety Phrases:

S 15 Keep away from sources of ignition. S 18 Handle an open container with care. S 26 In case of contact with eyes, rinse immediately with water and seek medical advice. S 39 Wear eye and face protection. S 43 In case of fire never use water.

16. Additional Information

Sojitz Corporation of America disclaimer

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