

## Material Safety Data Sheet

### Section 1. Product: MultiSal™ SalCool PID# 2104:

Microspheres with encapsulated cooling ingredients

Physical and Chemical Characteristics:

Color: White  
Form: Fine Powder, average particle size= 20-50 micron  
Average particle size: 22+/-5 microns  
Odor: Odorless

### Section 2. Composition/Information on Ingredients/INCI Names:

- Methyl Diisopropyl Propionamide
- Ethyl Mentane Carboxamide
- Menthyl Lactate
- Lauryl Laurate
- Zea Mays (Corn) Starch
- Hydrolyzed Corn Starch
- Hydrolyzed Corn Starch Octenylsuccinate

### Section 3. Hazards Identification:

Possible physical irritation caused by dust particles, and the potential for dust explosion.

|              |  |
|--------------|--|
| Eye          | Particulates may scratch eye surfaces/cause mechanical irritation.   |
| Skin Contact | Low order of toxicity  |
| Inhalation   | This product can produce a nuisance dust, which should be maintained below a time weighted average of 10 mg/m <sup>3</sup> . |
| Ingestion    | No hazard in normal industrial use   |

### Section 4. First-Aid Measures:

|              |  |
|--------------|--|
| Eye          | Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention. |
| Skin Contact | Wash with soap and water   |
| Inhalation   | Remove to fresh air.   |
| Ingestion    | Not Applicable   |

### Section 5. Fire Fighting Measures:

|                               |   |
|-------------------------------|---|
| Auto Ignition                 | See Fire & Explosion  |
| Extinguishing Media           | Dry chemical; CO <sub>2</sub> ; Water fog; Foam   |
| Firefighting Procedures       | No special procedures are required  |
| Fire & Explosion Hazards      | Dust cloud Minimum ignition temp. $\approx$ 39° C, and minimum explosive concentration $\approx$ 70 mg/l. Minimum energy to ignite cloud by electrical spark $\approx$ 0.06 joules. |
| Hazardous Combustion Products | This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.                                       |
| Upper Explosion Limit (%)     | Not Applicable  |
| Lower Explosion Limit (%)     | Not Applicable  |
| NFPA Flammability             | Hazard Class 1 = Slight   |

**Section 6. Accidental Release Measures:**

|                           |   |
|---------------------------|---|
| Spill and Leak Procedures | Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water, collect wash water for approved disposal. Do not flush to storm sewer or waterway. |
|---------------------------|---|

**Section 7. Handling and Storage:**

|                                |  |
|--------------------------------|--|
| Storage Temperature            | Ambient  |
| Handling/Storage               | Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal. |
| Ventilation Requirements       | General  |
| Static Electricity Sensitivity | Yes  |
| Mechanical Impact Sensitivity  | No   |

**Section 8. Exposure Controls/Personal Protection:**

|                             |                              |
|-----------------------------|------------------------------|
| Ventilation Requirements    | General                      |
| Eye Protection Requirements | Safety glasses are optional. |
| Wash Requirements           | Wash with soap and water     |
| Respirator Requirements     | NIOSH approved dust mask.    |

**Section 9. Physical And Chemical Properties:**

|                           |                                       |
|---------------------------|---------------------------------------|
| Pure Substance or Mixture | Mixture                               |
| Physical Form             | Solid, fine powder                    |
| Appearance/Odor           | White/ typical flavor                 |
| Odor Threshold            | Not available                         |
| Molecular Weight          | >10000, will form suspension in water |
| Melting/Freezing Point    | Melting at 65° C to 180° C            |
| Solubility in Water       | Soluble to form suspension            |
| Auto Ignition             | See Fire & Explosion Hazards          |

**Section 10. Stability and Reactivity:**

|                                  |   |
|----------------------------------|---|
| Stability                        | Stable in dry conditions  |
| Materials to Avoid               | None  |
| NFPA Reactivity Hazard Class     | 0 = Insignificant   |
| Hazardous Decomposition Products | This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water. |

**Section 11. Toxicological Information:**

Chronic (Long Term) Effects Of Exposure

|                             |   |
|-----------------------------|---|
| Route of Entry              | Eye contact, Skin contact, Inhalation, Ingestion  |
| Effects of Chronic Exposure | This product is considered as being non-toxic. Use of good industrial hygiene practices is recommended. |
| Target Organs               | Not Applicable  |
| Carcinogen                  | No  |



RELEASE BY DESIGN

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**Section 12. Ecological Information:**

Not available.

**Section 13. Disposal Considerations:**

|                          |   |
|--------------------------|---|
| Waste Disposal Methods   | Waste disposal should be in accordance with existing federal, state and local environmental regulations.        |
| Empty Container Warnings | Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied. |

**Section 14. Transportation Information:**

Not DOT regulated material (United States)

**Section 15. Regulatory Information:**

|                |   |
|----------------|---|
| TSCA           | All components are on the TSCA inventory.   |
| FDA            | 21CFR172.892  |
| SARA/TITLE III | This product contains no substances at or above the reporting threshold under Section 313, based on data available. |

The information given and the recommendations made herein apply to our product(s) alone and are not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.

**Section 16. Other Information:**

Heavy metal content: <2 ppm (as lead) – Food Chemicals Codex spec.

FEMA/FDA GRAS Certification with a statement saying manufacturing with Good manufacturing Practice (GMP).

The following chemicals are not added and not reasonably expected to be present based on product chemistry.

- Ethyl alcohol: 0%
- Benzyl alcohol: 0%
- Propionic acid: 0 %
- 3,4 Benzopyrezens: 0%
- Agaric acid: 0%
- Aloin: 0%
- Beta asarone: 0%
- Berberine: 0%
- Coumarin: 0%
- Hydrocyanic acid: 0%
- Hyporicine: 0%
- Pulegone: 0%
- Quassine: 0%
- Safrole and isoafrole: 0%
- Santoinin: 0%
- Thuyone (alpha and beta): 0%