

MicroSorb® SC-W SDS

1. Identification

Product identifier: MicroSorb SC-W

Other means of identification: Tan or Beige Powder, Slight Petroleum Odor, Tastes like

sugar

Recommended Use: Bioremediation of hydrocarbons, sewage and industrial waste, fats, oils and grease, opportunistic (algae, E.coli, etc.)

Recommended restrictions: None known. Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

Distributor:

Company name: MicroSorb Environmental Products, Inc
Address: 111 Summer Street, Scituate, MA 02066 USA
Telephone: 781-378-2698
Website: <http://www.microsorb.com>
E-mail: bill@microsorb.us
Emergency phone number: 508-878-7859

2. Hazard(s) identification

This product contains food grade sugar.

The microbes are considered Class 1 and have not been connected to any safety issues

Physical hazards: Can be slippery when wet
Health hazards: Not classified
Environmental hazards: OSHA Not classified.
defined hazards: Label elements Hazard symbol: None
The substance does not meet the criteria for classification
Signal word:
Hazard statement: Observe good industrial hygiene practices
Precautionary statement Prevention: Wash hands after handling
Keep dry and store away from incompatible materials
Response: Dispose of waste and residues in accordance with local authority requirements
Storage:
Disposal:
Hazard(s) not otherwise classified (HN OC): None known

Supplemental information: Not applicable.

3. Composition/information on ingredients

Substances

| Chemical name | Common name & synonyms | CAS number | % |
|---|------------------------|------------|-----|
| Sucrose, sugar, | Sugar | 57-50-1 | 95 |
| D(+)-Saccharose Mixed microbe population | | NONE | >=5 |

4. First-aid measures

Inhalation: No specific first aid measures noted.

Eye contact: Can be irritating. No specific first aid measures noted. Flush thoroughly with water. If irritation occurs, **get** medical assistance.

Ingestion: No specific first aid measures noted. Rinse mouth thoroughly. Get medical attention if any discomfort occurs. **Most important symptoms/effects, acute and delayed:** Dust in the eyes will cause irritation. Flush with water. **Indication of immediate medical attention and special treatment needed:** Provide supportive measures and treat symptomatically.

General information: No hazards which require special first aid measures. Provide general supportive measures and treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media: Water fog.

Unsuitable extinguishing media: Not applicable. Supports combustion poorly

Specific hazards arising from the chemical: The dust generated by the transportation and handling of sugar is an explosive hazard; measures must be taken to avoid the creation of fugitive dust and to abate any dust created.

Special protective equipment and precautions for firefighters: Material can be slippery when wet.

Fire fighting equipment/instructions: In the event of fire, cool with water spray. Material can be slippery when wet.

Specific methods: Cool containers exposed to flames with water until well after the fire is out

General fire hazards: Dust is an explosion hazard. This material may be a secondary fuel to an existing fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Material can be slippery when wet. No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

Methods and materials for containment and cleaning up: If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water. For waste disposal, see section 13 of the SOS. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

Environmental precautions: Prevent further leakage or spillage if safe to do so. No special environmental precautions required.

7. Exposure controls and personal protection: None

Handling and storage

Precautions for safe handling: Minimize dust generation and accumulation. Remove ignition sources. Provide appropriate exhaust ventilation at places where dust is formed. Avoid breathing dust. Practice good housekeeping.

| Constituents | Value | Form |
|----------------------------------|----------------------|-----------------------|
| Type INERT OR NUISANCE DUSTS TWA | 5 mg/m ³ | Respirable fraction. |
| | 15 mg/m ³ | Total dust |
| | 50 mppcf | Total dust Respirable |
| | 15 mppcf | fraction |

Biological limit values: No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls: Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling.

Eye/face protection: Use tight fitting goggles if dust is generated. Wear dust-resistant safety goggles where there is danger of eye contact.

Skin protection: No protection is ordinarily required under normal conditions of use

Hand protection: Wear gloves to prevent drying

Other: Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards: Avoid temperatures above 160F; heat, flames, ignition sources, and incompatibles.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Use good industrial hygiene practices in handling this material.

9. Physical and chemical properties

Appearance: Physical state: Fine powder

Color: Light brown, beige

Odor: Slight oil smell

Melting Point >365F, Flash Point== *NIA*, Flammable Limits== *NIA* LEL dust 20g/m³, UEL dust 15 Kg/m³

Boiling Point *NIA*

Specific Gravity 1.587

Vapor Pressure (mm Hg.) 5.1SE-17

Vapor Density (Air== 1) *NIA*

Evaporation Rate *NIA*

Solubility in Water 2.07 grams per gram water at 77F

10. Stability and Reactivity: Stable under ordinary conditions. Avoid temperatures above 120F; heat, flames, ignition sources. Avoid strong caustics and acids

11. Toxicological Information: Non-toxic

12. Ecological Information: Microbes

Acute/Dust

LCS0 Rat .5.27mg/L, 4 hour OECD 436

Oral/Dust

LDSO Rat .2,000 mg/Kg OECD 425

13. Disposal Considerations: Beneficial to sanitary sewers and septic systems. Consult local regulations.

14. Transport Information: Not regulated as dangerous goods

15. Regulatory Information- US Federal Regulations

CERCLA Hazardous Substance List; Not

listed SARA 1986; Not listed

Hazard Categories

Immediate Hazard - Dust may be explosive.

Delayed Hazard - Dust may be explosive

Fire Hazard - Ignition Temperature of dust cloud 662F