



MATERIAL SAFETY DATA SHEET

Issue Date: July 1, 2008

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1. Product and Company Identification

Product Name:

Sanosil S010

Company & Manufacturer Information:

Sanosil International, LLC
91 Lukens Dr., Ste A New Castle, DE 19720
USA
www.sanosilglobal.com

Customer Information Number: (302) 454-8102

Emergency Telephone Number:

CHEMTREC

US & Canada 1-800-424-9300

Outside US & Canada +1-703-527-3887

2. Hazards Identification



Hazard Designation: Moderate Eye Irritant

3. Composition Information

Chemical Characterization

Description: Mixture of the substances listed below with harmless additions.

Active Ingredients: Hydrogen Peroxide 5% (CAS#7722-84-1) ; Silver .01% (CAS#7440-22-4)

4. First-Aid Measures

- **INHALATION:** Remove to fresh air. If breathing difficulty or discomfort occurs and persists, get medical attention.
- **SKIN CONTACT:** Wash with plenty of soap and water. Get medical attention if irritation occurs and persists.
- **EYE CONTACT:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

- **INGESTION:** Rinse mouth with water. Dilute by giving 1 to 2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. Fire Fighting Measures

Extinguishing Media: Flood with water.

Fire/Explosion Hazards: Product is non-combustible. In decomposition, oxygen will be released which may intensify fire.

6. Accidental Release Measures

- Person-related safety precautions: Not required.
- Measures for environmental protection; Dilute with large volumes of water.
- Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. Handling & Storage

Handling:

1. Keep away from heat and direct sunlight.
2. Protection against explosions and fires: No special measures required.

Storage:

1. Requirements to be met by storerooms and containers: No special requirements.
2. Common storage facility: Contact with combustible materials may cause fire.
3. Keep containers tightly sealed.

8. Exposure Controls and Personal Protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit values that require monitoring at the workplace:
 - OSHA Permissible Exposure Level of 1ppm for Hydrogen Peroxide
- Additional Information: The lists that were valid during the compilation were used as basis.
- Personal protective equipment:
 - General protective and hygienic measures
 - Keep away from foodstuffs, beverages and food.
 - Remove immediately any contaminated clothing.
 - Wash hands during breaks and at the end of the workday.
 - Avoid contact with eyes and clothing.
 - Breathing equipment: Not required.
 - Eye Protection: Tightly sealed safety glasses or goggles are recommended.

9. Physical and Chemical Properties

General Information

Form: Fluid
Color: Colorless
Odor: None

Change in Condition

Melting point/Melting range: < 0° C (< 32° F)
Boiling point/Boiling range: < 80° C (< 176° F)

Flash point: Non-combustible

Self-inflammability: Product is not self-igniting.

Danger of Explosion: Product is not explosive.

Vapor Pressure: 23 hPa (at 20° C or 68° F)

Density: 1.019 g/cm³ (at 20° C or 68° F)

Solubility in Water: Fully soluble

pH-value: 5

Solvent content: Organic solvents = 0.0%; Water = ca. 95%

10. Stability & Reactivity

Thermal decomposition/conditions to be avoided: No decomposition if used and stored according to specifications. Dangerous products of decomposition: Oxygen

11. Toxicological Information

Acute toxicity:

Primary irritant effect:

Eyes: Irritant effect.

Sensitization: No sensitizing effect known.

12. Ecological Information

Hydrogen peroxide is slightly toxic to freshwater fish (LC50, fathead minnow = 16.4 mg/L) and moderately toxic to freshwater invertebrates (LC50, daphnia magna = 7.7 mg/L).

13. Disposal Considerations

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Uncleaned packages must be disposed of according to federal regulations. Recommended cleaning agent: Water, if necessary with a cleaning agent.

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State, and Local regulations.

14. Transport Information

Land transport ADR/RID (cross-border)
ADR/RID-GGVS/E Class

Maritime transport IMDG:
IMDG Class:
Marine Pollutant: No

Air transport ICAO-TI and IAIA-DGR:
ICAO/IATA Class

15. Regulatory Information

Sanosil S010 is FIFRA registered: EPA #84526-1

OSHA Hazard Communication Standard

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Immediate (Acute) Health Hazard	NO
Delayed (Chronic) Health Hazard	NO
Fire Hazard	NO
Reactive Hazard	NO
Sudden Release of Pressure Hazard	YES

Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substances List:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Special Hazardous Substances List:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

US Toxic Substances Control Act (TSCA)

This product contains chemical substance(s) exempt from TSCA Inventory requirements. It is sold solely for use as a pesticide subject to Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) requirements.

16. Other Information

Hazard Rating System

NFPA	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>
	1	0	1

Recommended Uses and Restrictions

An antimicrobial product – for industrial and consumer use.

This data is provided by Sanosil International, LLC in good faith and believed to be accurate as of the effective date shown above. No warranty is given, express or implied. This data sheet does not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Regulatory requirements are subject to change and may differ between locations. It is the user's responsibility to adhere to appropriate rules and regulations governing your area.

