

MSDS - Quickwhite In-surgery Bleaching

Material Safety Data Sheet

We provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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SILICA DIOXIDE

PRODUCT IDENTIFICATION

Synonyms: Solid Phase, Bleaching Powder, Silica, Fumed Silica.

PRECAUTIONARY MEASURES

WARNING!. MAY BE HARMFUL IF INHALED. MAY CAUSE IRRITATION TO EYES.

Avoid breathing dust, use with adequate ventilation.

Avoid contact with eyes.

Wash thoroughly after handling.

EMERGENCY/FIRST AID

If inhaled, remove to fresh air. If not breathing, give artificial respiration. In case of eye contact, immediately flush eyes with running water for 15 minutes, lifting the upper and lower eye lids occasionally. In case of skin contact, rinse with water. If swallowed, no treatment is indicated (see section 5).

SECTION 1: Physical Data

Appearance: Fine white powder.

Odor: Odorless

Solubility: Insoluble

Boiling Point: No Data Found.

Melting Point: Approximately 3000° F.
Specific Gravity (Water=1): Approximately 2.2.
Vapor Density (air=1): Not Applicable.
Vapor Pressure (mm Hg): Not Applicable.
Evaporation Rate: Not Applicable.

SECTION 2: Fire and Explosion Information

Fire: Not Combustible.
Explosion: Not Applicable.
Fire Extinguishing Media: Use media appropriate for surrounding fire.
Special Information: None

SECTION 3: Reactivity Data

Stability: Stable.
Hazardous Decomposition Products: None.
Hazardous Polymerization: Substance does not polymerize.
Incompatibilities: None.

SECTION 4: Leak/Spill Information

Clean up personnel require protective clothing, eye protection and respiratory protection.
Spills: Place in DOT approved containers.
Disposal Methods: Dispose contaminated product in a manner approved for this material.
Ensure compliance with local, state and federal regulations.

SECTION 5: Exposure/Health Effects

Inhalation: Repeated or prolonged inhalation may cause delayed injury to lungs.
Symptoms include undue breathlessness, cough and sputum production.
Ingestion: None currently known.
Skin Exposure: None currently known.
Eye Exposure: Dust may irritate the eye.
Chronic Exposure: No specific information available.
Aggravation of Pre-existing Condition

Hydrogen Peroxide Solution 17.5-35% by Volume (peroxide not included)

PRODUCT IDENTIFICATION

Synonyms: Bleach: Bleaching Solution: Liquid Phase: Peroxide
Formula CAS No: 7722-84-1
Molecular Weight: 34.01
Chemical Formula: H₂O₂
Hazardous Ingredients: None

PRECAUTIONARY MEASURES

DANGER!. STRONG OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE, CAUSE SEVERE BURNS. HARMFUL IF SWALLOWED OR INHALED.

Do not get in eyes, on skin or in clothing. Avoid breathing mist.
Keep from contact with clothing and other combustible materials.
Do not store near combustible materials.
Use with adequate ventilation.
Wash thoroughly after handling.

EMERGENCY/FIRST AID

In case of contact immediately flush skin or eyes with plenty of water for at least 15 minutes. For eyes, get medical attention. If swallowed, give water or milk to drink. Get medical attention immediately. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In all cases call a physician.

DOT Hazard Class: Oxidizer

SECTION 1: Physical Data

Appearance: Clear, Colorless Liquid
Odor: Acrid Odor
Solubility: Infinitely Soluble in Water
Boiling Point: 106° C (226° F)
Melting Point: -25° C (-13° F)
Specific Gravity: 1.11
Vapor Density (Air=1): 1.17
Vapor Pressure (mm Hg): 25 at 30° C (86° F)
Evaporation Rate (BuAc=1): <1

SECTION 2: Fire and Explosion Information

Fire: Not combustible, however, substance is a strong oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition. Increases the flammability of combustibles, organic and readily oxidizable materials.

Explosion: Contact with oxidizable substances may cause extremely violent combustion. Drying of concentrated hydrogen peroxide on clothing or other combustible materials may cause fire or explosion.

Fire Extinguishing Media: Water spray may be used to extinguish surrounding fire and cool exposed containers. Water spray will also reduce fume and irritant gases.

Special Information: In the event of fire, wear full protective clothing and NIOSH approved self contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

SECTION 3: Reactivity Data

Stability

Unstable. Unstable with heat, may result in dangerous pressures. A strong oxidizer, reacts violently upon contact with many organic substances, particularly textile and paper.

Hazardous Decomposition Products.

Decomposes to water and oxygen with rapid heat release. Use vented containers. The solution can decompose violently upon heating.

Hazardous Polymerization.

This substance does not polymerize.

Incompatibilities

Heat, reducing agents, organic materials, dirt, alkalies, rust and many metals.

Spontaneous combustion may occur on standing in contact with readily flammable materials.

SECTION 4: Leak/Spill Information

CAUTION!. Caustic material. Causes fires with organic material. Ventilate area of leak or spill. Clean up personnel require protective clothing. Contain and recover liquid when possible. Larger spills: Absorb with vermiculite, dry sand, earth or similar material for disposal of hazardous waste in a RCRA approved facility. Do not flush to sewer. This oxidizing material can increase the flammability of adjacent combustible materials.

Ensure Compliance with local, state and federal regulations.

NFPA Ratings: Health: 2, Reactivity: 1, Flammability: 0, Other: Oxidizer.