

MATERIAL SAFETY DATA SHEET

Revised/Reviewed: March 7, 2012

SUPEROXOL (REF 018-39800, 018-39810)

A dental bleaching agent.

Section 1- Product and Company Information

Manufactured for: Integra York PA, Inc., 589 Davies Drive, York, PA 17402

Information: 717-840-9335, 717-840-9347 (fax)

Chemical Name & Synonyms: Hydrogen Peroxide 35% w/v

Chemical Formula: --

In Case of Emergency: 1-800-535-5053

Section 2 – Composition/ Information on Ingredients

Hydrogen Peroxide, CAS# 7722-84-1, 30-35% w/v

Water, purified, CAS# 7732-18-5, 65-70% w/v

Section 3 – Hazard(s) Identification

These chemicals are considered hazardous by OSHA.

Emergency Overview: Caution. Strong oxidizer. Corrosive. Reacts with a broad range of materials. May cause severe eye and skin burns. Wash areas of contact with water. For eyes, get medical attention.

Target Organs: Eyes, skin, respiratory system.

Potential Health Effects/Routes of Exposure:

Eyes – May cause irritation, redness, pain, burning, and tearing.

Skin – may cause irritation, redness, pain and bleaching of the hair and skin.

Ingestion – May cause burning of the lips, mouth, stomach, and throat, nausea, bloody vomit, abdominal pain, thirst, stomach distention and perforation, excess salivation, coma, convulsions, throat swelling, and possible cerebral edema and death.

Inhalation – May cause irritation of the respiratory tract, burns on acute contact, tearing, sneezing, vomiting, headache, insomnia, salivation, nausea, tremors, and pulmonary edema.

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)

Aggravated Medical Conditions: No information available

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops.

Ingestion: DO NOT induce vomiting. Dilute with water or milk. Get medical assistance.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Notes to Physician: Treat symptomatically

Section 5 – Fire Fighting Measures

Flash Point (Test Method): Not applicable

Autoignition Temperature: No information available

Explosion Limits: Upper- no data available Lower- no data available

Extinguishing Media: Use any means suitable for extinguishing surrounding fire except dry chemicals or carbon dioxide.

Unusual Fire and Explosion Hazards: Vapors can flow across ignition source and flashback. Use water spray to blanket fire, cool fire exposed containers. Explosion hazard when exposed to flame, heat, or oxidizer.

Special fire Fighting Procedures: Use normal procedures. Poisonous gases may be produced in fire. Use protective clothing. Use NIOSH-approved breathing equipment.

Hazardous Combustion Products: No information available.

Sensitivity to Mechanical Impact: No information available.

Sensitivity to Static Discharge: No information available.

Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors.

NFPA Rating: (estimated) Health: 2; Flammable: 0; Reactivity: 3

Section 6 – Accidental Release Measures

Personal Precautions: Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing.

Environmental Precautions: Should not be released into the environment.

Methods for Containment and Clean Up: Cover spill with sodium carbonate, sand, and cat litter mixture. Scoop up and transfer to hood. Slowly add to bucket of cold water. Slowly add an excess of aqueous sodium metabisulfite solution. Decant liquid to drain. Treat the solid residue as normal refuse. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes. Contact with metal, dust, or organic material may accelerate decomposition. Empty containers may be hazardous since they retain product residue.

Storage: Protect from freezing and physical damage. Store away from light. Store at 15-30°C.

Section 8 – Exposure Controls/ Personal Protection

Hydrogen Peroxide, CAS#7722-84-1, ACGIH TLV: 1.4mg/m³, OSHA PEL: 1.4mg/m³

Water, purified, CAS#7732-18-5, ACGIH TLV: Not Applicable, OSHA PEL: Not applicable

Engineering Measures/General Hygiene: Ensure ventilation is adequate. Ensure eyewash and safety showers are available.

Skin Protection: Chemical resistant gloves.

Eye/Face Protection: Safety glasses or goggles.

Respiratory Protection: If exposure limits are reached, use approved respirator.

Section 9 – Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Clear, colorless liquid. Acrid odor.

Boiling Point: Approx. 100°C

Melting Point: Approx. 0°C

Vapor Density (Air=1): No information available

Evaporation Rate (Butyl Acetate= 1): No information available

pH: Not applicable.

Flammability: No information available

Solubility in Water: Infinite

Relative Density: No information available

% Volatility: No information available.

Specific Gravity (Water=1): 1.1 – 1.2

Vapor Pressure (mm Hg): No information available

Flash Point: Not applicable

Coefficient of water/oil distribution: Not available

Odor Threshold: Not available

Decomposition Temperature: No information available

Partition Coefficient n-octanol/water: No data available

Molecular Weight: Not available

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage. The substance slowly decomposes at room temperature and more rapidly at increasing temperatures.

Incompatible Materials: Ammonia, ammonia carbonates, alkalis, alkali citrates, charcoal, chlorides, phenol, albumin, mercurous, ferrous or gold salts, lime water, iodides, hypophosphites, sulfites, permanganates, tinctures, and organic matter.

Conditions to Avoid: No information available.

Hazardous Decomposition Products: Water, oxygen, and possibly explosive hydrogen gas.

Hazardous Polymerization: Does not occur.

Hazardous Reactions: None under normal processing.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness: – See section 3.

LD50 oral-rat: Not applicable LC50 inhalation-rat: Not applicable

Irritation: No information available

Toxicologically Synergistic: No information available

Chronic Exposure:

Carcinogenicity: No information available

Sensitization: No information available

Mutagenic Effects: No information available

Reproductive Effects: No information available

Developmental Effects (Immediate/Delayed): No information available
Teratogenicity: No information available
Other Adverse Effects: No information available
Endocrine Disruptor Information: No information available

Section 12 – Ecological Information

Ecotoxicity: No information available
Persistence and Degradability: No information available
Bioaccumulation/Accumulation: No information available
Mobility: No information available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Cover spill with sodium carbonate, sand, and cat litter mixture. Scoop up and transfer to hood. Slowly add to bucket of cold water. Slowly add an excess of aqueous sodium metabisulfite solution. Decant liquid to drain. Treat the solid residue as normal refuse. All chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all applicable federal, state, and local regulations.

Section 14 – Transport Information

DOT: UN2014, Hydrogen Peroxide, Aqueous Solutions, 5.1 (8), II.

Section 15 – Regulatory Information

OSHA Status: these chemicals are considered hazardous by OSHA.
Canada DSL: These chemicals are listed on Canada's DSL list.
TSCA: The components of this solution are listed on the TSCA Inventory
SARA Title III Section 313: Not applicable
RCRA Status: Not applicable
CERCLA Reportable Quantity: No information available
WHMIS: E: Corrosive Material. C: Oxidizing Material. F: Dangerously reactive material.
(List is not meant to be all inclusive)

Section 16 – Other Information

No other information available.

Liability Disclaimer: MSDS information is provided based on OSHA's Hazardous Communication Regulation and for use of the persons required to receive this information under this regulation. The information is neither designed nor recommended for any other use or for use by any other person, including compliance with other laws. Integra York PA, Inc. (the "Company") does not warrant the suitability for use of this MSDS for any other material or product not specifically identified herein. The Company does not warrant the accuracy or authenticity of this MSDS unless it has been obtained directly from the Company, or posted or viewed on a Company website. This MSDS is based on information that is believed to be reliable, but may be subject to change as new information becomes available. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. Since the use of this material is not under the Company's control, each user is responsible for making their own determination as to the safe

and proper handling of this material in their own particular use of this material. The Company makes no representation or warranty, either expressed or implied, including as to merchantability or fitness for a particular purpose.