SAFETY DATA SHEET

Conforms with OSHA Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012

Product: Superoxol (REF 018-39800, 39810) **Revision Date: 10/09/2015**

SECTION 1 - IDENTIFICATION

Product Identifier

Product Name: **Superoxol**

Product Code: **018-39800, 018-39810**

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: A dental bleaching agent.

Restrictions on Use: for professional dental use only.

Details of the Supplier

Manufactured for: Integra York PA, Inc.
589 Davies Dr.
York, PA 17402 USA
1-866-854-8300

Emergency Phone Number

24-Hour Number: 1-800-535-5053
International: 1-352-323-3500

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Serious Eye Damage / Eye Irritation, Category 1
Oxidizing Liquid, Category 2
Skin Corrosion / Irritation, Category 1A
Aquatic Acute Toxicity, Category 3

Label Elements

GHS label elements, including Hazard precautionary statements

Hazard pictogram(s): **Oxidizing, Corrosive**

Signal word: Danger

Hazard Statement(s):

May intensify fire; oxidizer
Causes severe skin burns and eye damage
Causes serious eye damage
Harmful if swallowed

Precautionary Statements:

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep/Store away from clothing/combustible materials.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash skin thoroughly after handling.
Take any precaution to avoid mixing with combustibles.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Rinse mouth, Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Specific Treatment (see supplemental first aid instructions in this SDS).
IN CASE OF FIRE: Use agents recommended in section 5 for extinction.
Store locked up.
Store in a dry place. Store in a closed container.
Avoid release to the environment.

Other Non-GHS Classification

None.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	CAS Number	Concentration % by weight
Hydrogen Peroxide	7722-84-1	20-35%
Deionized Water	7732-18-5	65-80%

SECTION 4 – FIRST AID MEASURES

Description of First Aid Measures

After Inhalation:

Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists.

After Skin Contact:

Flush with water for 15 minutes. Get medical assistance if irritation develops. Wash affected area with soap and water. Rinse thoroughly. Seek medical attention if irritation, discomfort or vomiting persists.

After Eye Contact:

Immediately flush eyes with running water for at least 15 minutes. Immediately get medical assistance. Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

After Swallowing:

DO NOT induce vomiting. Dilute with water or milk. Get medical assistance. Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

Most important symptoms and effects, both acute and delayed:

Acute: Irritation. Nausea. Headache. Shortness of breath.

Delayed: None identified

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention, provide SDS document to physician. Treat symptomatically.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing agents:

If in laboratory setting, follow laboratory fire suppression procedures. Use water for fire presupposition.

Unsuitable extinguishing agents:

No information available.

Special hazards arising from the substance or mixture:

Oxidizer: Contact with combustible/organic material may cause fire. Containers may explode when heated. This material will accelerate burning when involved in a fire.

Advice for firefighters:

Protective equipment:

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

Additional Information (precautions):

Move product containers away from fire or keep cool with water spray as a protective measure, where feasible. Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective equipment, Use appropriate NIOSH-approved respiratory protective device against the effects of fumes/dust/aerosol. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat. Stop the spill, if possible. Contain spilled material by diking or using inert absorbent. Transfer to a disposal or recovery container.

Environmental Precautions:

Should not be released into the environment. Prevent from reaching drains, sewer or waterway. Collect contaminated soil for characterization per Section 13.

Methods and Material for Containment and Cleaning Up:

Soak up with an inert absorbent material and containerized for disposal. If in a laboratory setting, follow Chemical Hygiene Plan procedures. Collect liquids using a vacuum or by use of absorbents. Place into properly labeled containers for recovery or disposal. If necessary, use trained response staff/contractor.

SECTION 7 – HANDLING AND STORAGE

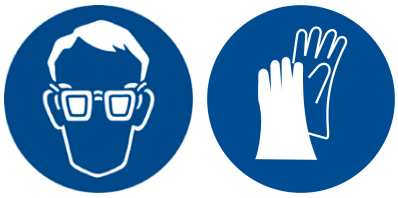
Precautions for Safe Handling:

Wash hands after handing. Avoid contact with skin and eyes. Contact with metal, dust, or organic material may accelerate decomposition. Prevent formation of aerosols. Follow good hygiene procedures when handling chemical material. Do not eat, drink, smoke, or use personal products when handling chemical substances. If in a laboratory setting, follow Chemical Hygiene Plan. Use only in well ventilated areas. Avoid splashes or spray in enclosed areas.

Conditions for Safe Storage, Including any Incompatibilities:

Store in a cool location. Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Store in cool, dry conditions in well sealed containers. Keep container tightly sealed. Do not store near combustible materials.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION



Control Parameters:

7722-84-1, Hydrogen Peroxide Solution, OSHA PEL: 1.4 mg/m^3
7722-84-1, Hydrogen Peroxide Solution, NIOSH REL: 1.4 mg/m^3
7722-84-1, Hydrogen Peroxide Solution, ACGIH TLV: 1.4 mg/m^3

Appropriate Engineering Controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handing. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Respiratory Protection:

Not required under normal conditions of use. Use suitable NIOSH-approved respiratory protective device when high concentrations are present. Use suitable NIOSH-approved respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.

Protection of Skin:

The glove material has to be impermeable and resistant to the product/the substance/the preparation being used/handled. Selection of the glove material on consideration of the penetration times, rates of diffusion, and the degradation.

Eye Protection:

Safety glasses with side shields or goggles.

General Hygienic Measures:

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/dust/mist/vapor/aerosols. Avoid contact with the eyes and skin.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance:
Clear, colorless liquid

Odor:
Slight

Odor Threshold:
Not determined

pH:
3.3

Melting Point / Freezing Point Range:
Not Available / -33°C

Initial Boiling Point and Boiling Range:
108° C , Boiling Range not Available

Flash Point:
Not Determined

Evaporation Rate:
Not Determined

Flammability (solid, gas):
Not Determined

Upper/Lower Flammability or Explosive Limits:

Not Determined

Vapor Pressure:
23mmHg @ 30°C

Vapor Density:
1.10

Relative Density:
Not Determined

Solubilities:
Miscible in water.

Partition Coefficient (n-octanol/water):
Not Determined.

Auto-ignition temperature:
Not Determined.

Decomposition temperature:
>125°C

Percent Volatiles by Volume:
Not Available

Viscosity:
Not Determined

Density:
1.110

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:

None under normal processing.

Chemical stability:

Light sensitive.

Possibility of hazardous reactions:

None under normal processing.

Conditions to avoid:

Light, excess heat, shock and friction, incompatible materials, and combustibles.

Incompatible Materials:

Metals, reducing agents, strong oxidizers, alcohols, ammonia, copper, copper alloys, lead oxides, cyanides, sulfides, lead, acetone.

Hazardous decomposition products:

Oxygen and possibly hydrogen gas.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity:
Oral: 7722-84-1, LD50 rat: 801mm/kg
Inhalation: 7722-84-1, LC50 rat: 2mgL/4H

Chronic Toxicity: No additional information
Corrosion Irritation:
Ocular: 7722-84-1, Causes severe eye burns

Sensitization: No additional information
Single Target Organ (STOT): No additional information
Numerical Measures: No additional information
Carcinogenicity: No additional information
Mutagenicity: No additional information
Reproductive Toxicity: No additional information

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Freshwater fish: 96Hr LC50 Pimephales promelas: 16.4 mg/L; 96Hr LC50 Lepomis macrochirus: 18-56 mg/L (static); 96Hr LC50 Oncorhynchus mykiss: 10.0 -32.0 mg/L (static)

Water flea: 48Hr EC50 Daphnia magna: 18-32 mg/L (static)

Persistence and degradability: Readily degradable in the environment

Bioaccumulative Potential: No information available

Mobility in soil: Aqueous solution has high mobility in soil.

Other adverse effects: No information available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations:
Product/containers must not be disposed together with household garbage. Do not allow product to reach sewage system or open water. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Consult federal state/provincial and local regulations regarding the proper disposal of waste material that may incorporate some amount of this product. Do not empty into drains. Harmful to aquatic life. Cover with inert material an containerize for disposal.

SECTION 14 – TRANSPORT INFORMATION

UN-Number: 2014
UN proper shipping name: Hydrogen Peroxide (Aqueous Solution)

Transport Hazard Class(es):

Class:
5.1 Oxidizing substances

Class:
8 Corrosive substances

Packing Group: II
Environmental hazard: No information available.
Transport in bulk: No information available.
Special precautions for user: No information available.

SECTION 15 – REGULATORY INFORMATION

United States (USA)

IARC (International Agency for Research on Cancer)
IARC – 3 (unclassified as to the carcinogenesis in humans)

SARA Section311/312 (Specific toxic chemical listings):
None of the ingredients is listed

SARA Section 313 (Specific toxic chemical listings):
None of the ingredients is listed

RCRA (hazardous waste code):
None of the ingredients is listed

TSCA (Toxic Substances Control Act):
All ingredients are listed

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):
None of the ingredients is listed

Proposition 65 (California):

Chemicals known to cause cancer:
None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed

Chemicals known to cause developmental toxicity:

None of the ingredients is listed

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

7722-84-1 Hydrogen Peroxide Solution

SECTION 16 – OTHER INFORMATION

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