Safety Data Sheet

Metro-Flo Bleach Ox Page 1 of 4

Section 1 - Product and Company identification

Trade name: Metro-Flo Bleach Ox Liquid Laundry Bleach

Manufacturer:

Metro-Chem, Inc.

24 Pennsylvania Avenue

Kearny, NJ 07032

Date Prepared:
Latest Revision:

800-424-9300
973-589-2800
10-08-1987
6-2-2015

Section 2 – Hazard(s) Identification

Classification:

Oxidizing Liquids

Acute toxicity, Oral

Acute toxicity, Inhalation

Skin Corrosion

Category 4

Category 4

Category 4

Category 1A

Risk Phrases: R5, R8, R34

Label:





Signal Word: Danger

GHS Hazard Phrases:

H270: May cause or intensify fire; oxidizer

H314: Causes severe skin burns and eye damage

H302: Harmful if swallowed H332: Harmful if inhaled

H335: May cause respiratory irritation

GHS Precaution Phrases:

P103: Read label before use

P260: Do not breathe (fume/gas/mist/vapors/spray)

P264: Wash hands thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

P270: Do not eat, drink or smoke when using this product

Section 3 – Composition/information on ingredients

Hydrogen Peroxide CAS No: 7722-84-1 OSHA PEL: 1ppm ACGIH TLV: 1ppm Percentage 10%-19%

Section 4 - First Aid Measures

GHS Response Phrases:

P312: Immediately call a POISON center/doctor if you feel unwell

P304, 340: If INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing

P305, 351, 338: If in EYES, rinse cautiously with water for several minutes; remove contact lenses, if present and easy to do; continue rinsing

P303, 361, 353: If on SKIN, remove/take off immediately all contaminated clothing; rinse skin with water or use shower. For severe skin burns, get medical attention.

P363: Wash contaminated clothing before reuse

Metro-Flo Bleach Ox Page 2 of 4

P301, 310, 330: If SWALLOWED, rinse mouth; do not induce vomiting

Section 5 – Fire Fighting Measures

Nonflammable, noncombustible solution, but a powerful oxidizer. Strong oxidizing agent; dangerous fire and explosion risk when in contact with combustible materials.

Extinguishing Media: Use fire-extinguishing media appropriate for surrounding materials. Water spray, foam, dry powder or carbon dioxide.

Unusual Fire & Explosion Hazards:

P371, 380, 375: In case of major fire and large quantities: evacuate area. Fight fire remotely due to the risk of explosions

Section 6 – Accidental Release Measures

General: Ventilate area. Contain the spill with sand or other inorganic absorbent material and deposit in a sealed bag or container. See sections 8 and 13 for further information.

Personal precautions, protective equipment and emergency procedures: Avoid breathing vapors; for large spills, wear safety goggles, rubber gloves and a NIOSH approved SCBA.

Waste Disposal Methods: Wear Protective equipment; keep unprotected persons away. If non-reusable, place in a closed container, label and remove for disposal by an approved waste transporter in accordance with Federal State and Local regulations.

Section 7 – Handling and Storage Measures

Precautions for safe handling: P271: Insure good ventilation/exhaust, or hoods at the workplace. Avoid overheated areas.

Precautions for safe storage: Store with chlorates, bromates, iodates, chlorites, per chloric acid, and peroxides. Light sensitive. Store in a dark, vented container. Stored at room temperatures, this substance decomposes at about 0.5% per year.

Section 8 – Exposure Controls/Personal Protection

Control parameters:

Components with limit values that require monitoring at the workplace:

7722-84-1 Hydrogen Peroxide

PEL 1ppm TLV Short-term value: C 1ppm

Exposure Controls

Personal Protective Equipment:

Protective Gloves: P280: Wear protective gloves, protective clothing, and eye protection

Protective Clothing: P283: Wear fire or flame resistant clothing

Protective Clothing: P272: Contaminated work clothing should not be allowed out of the

workplace

Respiratory Equipment: P271: Use only in a hood or well-ventilated area

General Protective and hygienic measures:

P264: Wash hands before breaks and at the end of work

Safety Data Sheet

Metro- Flo Bleach Ox Page 3 of 4

Section 9 – Physical and Chemical Properties

Physical States: Liquid

Appearance and Odor: Clear colorless, liquid. Slightly acrid odor

Melting Point:-25° CBoiling Point:106° CFlash Point:No dataEvaporation RateNo data

Explosive Limits: LEL: No data UEL: No data

Vapor Pressure 14-29 Torr @20°C

Vapor Density (Air = 1) No data Specific Gravity $(H_2O = 1)$ 1.112

Solubility in H₂O Fully miscible Auto ignition Pt: No data

PH 6 diluted; 3-4 in concentrated solution

Section 10 - Stability and Reactivity

Reactivity: Avoid high temperatures

Stability: Stable if stored in accordance with Section 7

Polymerization N/A

Conditions to Avoid: Avid heating this material

Incompatibility:

Materials to Avoid: Keep away from reducing agents, strong bases, organics,

combustible material, and oxidizable materials

Hazardous Decomposition

Or Byproducts: No data

Section 11 – Toxicological Information

Acute Toxicity:

 $\begin{array}{lll} 7722-84-1 \text{ Hydrogen Peroxide} & Oral \ \text{LD}_{50}\text{: } 1429 \text{ mg/kg (human)} \\ 7722-84-1 \text{ Hydrogen Peroxide} & Oral \ \text{LD}_{50}\text{: } 1518 \text{ mg/kg (rat)} \\ 7722-84-1 \text{ Hydrogen Peroxide} & Oral \ \text{LD}_{50}\text{: } 1429 \text{ mg/kg (human)} \\ 7722-84-1 \text{ Hydrogen Peroxide} & SKN \ \text{LD}_{50}\text{: } 3000 \text{ mg/kg (rat)} \\ \end{array}$

Chronic Effects: Dermatitis

Sensitization: No sensitizing effects known

Additional Toxicological information: None known

Carcinogenic categories

IARC – None of the ingredients is listed NTP – None of the ingredients is listed

Section 12 – Ecological Information

Aquatic Toxicity: Avoid un-dissolved release into the environment. Runoff from fire control or dilution water may cause pollution.

Carp LC_{50} : 42 mg/L (48 hour) Daphnia EC_{50} : 2.4 mg/L (48 hour)

Bioaccumulation: Does not bio accumulate

Degradability: Readily biodegradable. Will inhibit action of biological treatment plant

Section 13 – Disposal Considerations

Must not be disposed of together with household garbage. Do not allow undiluted product to reach sewage system.

Place in a closed, approved container, label and remove for disposal by an approved waste transporter in accordance with Federal State and Local regulations.

Section 14 – Transport Information

UN Number UN2984 UN Proper Shipping Name None

DOT Proper Shipping Name Hydrogen Peroxide, aqueous solutions

with not less than 8% but less than 20%

Hydrogen Peroxide

ADR Class Division 5.1: Oxidizing substances-

Subsidiary Class 8

DOT Hazard Class 5.1 Oxidizer

Packing Group III
Marine pollutant No



Section 15 – Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EPA SARA Lists:

Section 302 (extremely hazardous substances): No Section 304(RQ): No

SARA 311/312 Hazardous Categorization

Acute Health Hazard
Chronic Health Hazard
No
Fire Hazard
Sudden Release of Pressure Hazard
No
Reactive Hazard
No
Section 313 (specific toxic chemical listings):
No

TSCA (Toxic Substances Control Act): Hydrogen Peroxide

Carcinogens: No Teratogens No

Section 16 – Other Information

Disclaimer:

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information; and, we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.