

MATERIAL SAFETY DATA SHEET

BLUE WHALE INC

4058 Hammer Dr. Ste 103

Bellingham, WA 98226

360 - 499 – 6338

Prepared by: Blue Whale Inc.

Primary phone: 360-990-0836

ChemTrec 1-800-424-9300

(1)

TRADE NAME: oxygen bleach

CHEMICAL NAME: hydrogen peroxide

Synonyms: hydro peroxide, hydrogen dioxide

Molecular formula: H₂O₂

DOT SHIPPING NAME: hydrogen peroxide

DOT HAZARD CLASS: 5.1+8

UN/NA NUMEER:UN : 2014

DOT LABEL: Corrosive

DOT PLACARD: Corrosive

PACKING GROUP:II

REPORTABLE QUANTITY: hydrogen peroxide

CAS NUMBER: 7722-84-1

MANUFACTRERS NAME: blue whale inc.

4058 hammer Dr suit 103 Bellingham Wa 98226.

Emergency phone number: 1-800-424-9300

(2)HAZARDOUS INGREDIENTS

MATERIAL: hydrogen peroxide (7722-84-1)

% BYWEIGHT: hydrogen peroxide(>20.0-<35%), (7722-84-1), 26%

% BYWEIGHT: water, 74%

CAS NO:7722-84-1

OSHA PEL: Not Applicable

ACGIH TLV: Not Applicable

(3) PHYSICAL DATA

APPEARANCE: liquid

BOILING POINT:226°F (108°C)

FREEZING POINT: -27°F (-33°C)

ODOUR: pungent.

Ph: 1-4

VISCOSITY : 1.07mPas.(H₂O₂ 27.5%)

SOLUBILTY: soluble in: water, polar organic solvents.

VAPOR DENSITY 1 (H₂O₂ 50%)

VAPOR PRESSURE: 1 mbar (H₂O₂ 50%)

(4) FIRE AND EXPLOSION DATA

FLASH POINT: Remarks: product is not flammable

TEMPERATURE: >=140°F (60°C)Remarks: self-accelerating decomposition.

<140°F (60°C) Remarks: slow decomposition.

FLAMMABLE : product not flammable.

(5) HEALTH HAZARD INFORMATION

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

No medical conditions are known to be aggravated by exposure.

ROUTES OF EXPOSURE

***INHALATION:** Fumes from spills can cause severe irritation and chemical burns to the nose, throat and Lungs, very little hazard from properly stored solution.

***SKIN CONTACT:** Severe irritant, reddening of skin. can cause chemical burns to skin.

***SKIN ABSORPTION:** Same as skin contact.

***EYE CONTACT:** Severe irritant, corrosive, can severely burn eyes.

***INGESTION:** Causes irritation of membranes of the mouth, throat, and stomach pain possible.

***SKIN CONTACT:** Severe irritant, reddening of skin, skin damage, chemical burns.

***INHALATION:** Fumes from spills are very irritating to mucous membranes.

***EYE CONTACT:** Extreme irritant, corrosive.

***EYE:** Can cause damage.

***SKIN:** can cause damage chemical burns.

EMERGENCY AND FIRST AID PROCEDURES

IF CONT WITH EYES OCCURS: flush with water for at least 15minutes.get medical attention.

IF CONTACT WITH SKIN OCCURS: wash with plenty of soap and water.

INHALATION: Remove to fresh air. call a physician if exposure is severe.

IF SWALLOWED: drink large amounts of water. Do NOT induce vomiting. call a physician or poison control center immediately.

(6) REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY

Solutions are fairly stable : potential for exothermic hazard.

Stable under recommended storage conditions.

CONDITIONS TO AVOID: to avoid thermal decomposition, do not overheat.

Keep at temperature not exceeding: 140°F (60°C).

Keep at cool areas.

MATERIALS TO AVOID: Acid, Bases, Metals, Salts of metals, Reducing agents, Organic materials, Flammable materials.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION

Hydrogen peroxide(35%).(case # 7722-84-1)

(7)SPILL OR LEAK PROCEDURES

IN THE EVENT OF A TRANSPORTATION EMERGENCY, CALL CHEMTREC (800)424-9300

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Cleanup personnel must wear proper protective equipment. contain in dirked area.

flush area with large amounts of water. comply with all federal. state and local reporting requirements.

WASTE DISPOSAL

Contact federal, state, county, and local environmental regulators for guidance regarding proper disposal reporting requirements.

(8)SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS:

Local exhaust is recommended.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

***RESPIRATORY:** use national institute of occupational safety and health (NIOSH)or mine safety and health administration(MSHA)approved respirator appropriate for this product when permissible exposure limits are exceeded.

***EYES:** Use chemical goggles and face shield.

***GLOVES:** use chemical resistant rubber, plastic, or neoprene gloves.

***OTHER:** use chemical resistant splash apron and boots, safety shower and eye wash fountain should be

located nearby.

(9)SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING

DANGER: This product is corrosive and may cause severe skin irritation or chemical burns to broken skin. causes eye damage. do not get in eyes. on skin or on clothing. wear goggles and face shield and chemical resistant gloves when handling this product. wash after handling. Avoid breathing vapors, Vacate poorly ventilated areas as soon as possible .Do not return until odors have dissipated.

PROPER STORAGE AND DISPOSAL REQUIREMENTS

Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration, in case of spill, flood areas with large quantities of water.

Disposal for domestic use: Do not reuse container, rinse thoroughly before discarding in trash. Disposal for all other uses: triple rinse(or equivalent).then offer for recycling or recondition, or puncture and dispose of in a sanitary landfill, or incineration.

Do not contaminate water, food, or feed by stooge, disposal or cleaning of equipment.

(10)stability and reactivity.

Stable under normal conditions.

Hazardous decomposition.

Hydrogen peroxide(35%).

11,toxicological information.

This material will affect all tissues with which it comes in contact the severity of the tissue damage is a function of concentration, this material a strong irritant and is corrosive to the skin, eyes, and mucous membranes, this material may cause severe burns .

12,ecological information.

No data is available on the adverse effects of this product on the environment .

13,disposal information.

It must be disposed of in accordance with federal, state, and local environmental control regulations.

14,transport information.

Shipping name: hydrogen peroxide, aqueous solution.

Dot label: oxidizing agent(corrosive).

Dot hazard class: 5.1 (8).

UN/NA number: UN:2014, PG II

Hazard label(s): corrosive.

Canada (TDG)

Shipping name: hydrogen peroxide, aqueous solution.

UN/NA number: un: 2014,PG: II

LABLE (subsidiary) oxidizing (corrosive)

Class: 5.1 (8)

MAEINE POLLUTANT: no.

15,regulatory information.

Not information.

16, other information.

No other information.

