

SR POST DIP

Revised: 2/16/15

1 IDENTIFICATION

Product Code :2343017

Recommended use of the chemical and restrictions on use: Industrial applications

Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

Telephone: 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Hazard Category: Acute Toxicity-Oral Hazard Category 4

Skin Corrosion/Irritation Hazard Category 1C

Specific Target Organ Toxicity (Single Exposure) Hazard Category 2

Oxidizing Liquids Hazard Category 1

Hazard Statements: Harmful if swallowed.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

May cause fire or explosion; strong oxidizer.

Prevention: Wash skin thoroughly after handling.

Do not eat, drink, or smoke when using this product.

Do not breathe dusts or mists.

Use only outdoors or in well ventilated area.

Keep away from heat.

Keep/Store away from clothing and other combustible material.

Take any precaution to avoid mixing with combustibles.

Wear fire/flammable resistant/retardant clothing.

Keep container tightly closed.

Wear protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection

Response: If swallowed: Call poison center, if you feel unwell.

Rinse Mouth

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call poison center/doctor if you

If exposed or concerned: Get medical advice/attention.

If in eyes: Wash cautiously with water for several minutes. Remove contact lenses if present and easy to c
 If on skin(or hair): Take off immediately all contaminated clothing. Rinse with water/safety shower. Ca
 Wash contaminated clothing before reuse.

Storage: Store in a well ventilated place. Keep cool .

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Sodium Nitrite	-	7632-00-0	23-27%
Sodium Hydroxide	Caustic Soda	1310-73-2	4-9%

4 FIRST AID

After Inhalation:

If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical attention.

After Skin Contact:

If on skin(on hair): Take off immediately all contaminated clothing. Rinse with water/safety shower. Call doctor if irritation persists.

After Eye Contact:

If in eyes: wash with plenty of water and get medical attention.

Most Important Symptoms/Effects

Inhalation:

May cause irritation and inflammation in nose, throat and lungs.

Eye:

May cause ulceration of the cornea and blindness.

Skin:

Causes bleaching, redness and blistering of the skin.

Indication of immediate medical attention:

Severe eye and or skin irritation or burns.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:

In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

Specific hazards arising from the chemical:

Product is fire stimulating. Contact with the following substances may cause inflammation: flammable substances. The product itself does not burn. Involved in fire, it may decompose yielding oxygen. Risk of overpressure and burst due to decomposition in confined spaces and pipes. Release of oxygen may support combustion. Strong oxidizer. Contact with combustible materials may cause a fire. Contact with incompatible materials (e.g. metals, alkalis, and reducing agents will cause hazardous decomposition under of heat, steam, and oxygen gas. Danger of decomposition under influence of heat. Lower explosive limit: Hydrogen Peroxide vapors >40 by weight .

This product spontaneously decomposes above 150 degrees celcius. A severe detonation hazard may exist when mixed with organic liquids, eg kerosene or gasoline. Hydrogen Peroxide itself is not flammable. drying of product on clothing or combustibile materials such as paper, fabrics, leather, may cause fire.Mixtures of Hydrogen Peroxide with flammable liquids (solvents) may possesive explosive properties. Contamination can cause rapid decomposition, release of oxygen and pressure. Hydrogen Peroxide in the proximity of an ongoing fire must be diluted with large amounts of water.

Special protective equipment and precautions for firefighter

SCBA and clothing to protect against acid gases and other toxic releases .

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc

Prevent spilled product from drains, sewers, waterways and soil.

Methods and Materials for containment & cleaning up:

Remove or shutdown ignition sources such as pilot lights, heating elements, furnaces and boilers.

Stop leak if possible without risk.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

7 HANDLING AND STORAGE

Precautions for safe handling:

Do not store with reducing agents, strong alkali or mix with combustibile materials. Store only in properly vented containers. Do not plug vent caps on containers. Do not store in direct sunlight.

Conditions for safe storage, inc any incompatibilities:

Never return unused or partially used product to original container. Keep in well ventilated area.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Sodium Nitrite	Not established		
Sodium Hydroxide	ACGIH	2 mg/m3	-

ACGIH - American Control of Governmental Hygenists
OSHA - Occupational Safety and Health Administration

Ventilation:

Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).

Other:

Insure that eye wash and safety shower are proximal to the work station.

Protective Gloves:

Acid resistant rubber.

Eye Protection:

Wear chemical safety goggles with face shield.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow Liquid

Odor: No odor

Odor Threshold: N/A

PH: >13

Melting Point/Freezing Point: N/A

Initial Boiling Point and Boiling Range:	>100 C
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	1.3
Solubility (ies):	Complete in water
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

10 STABILITY AND REACTIVITY

Reactivity:	Impurities, decomposition catalysts, metals. metallic salts, alkalis, Hydrochloric Acid, reducing agents.
Chemical Stability:	Stable
Conditions to Avoid:	pH above 3.0, trapped or inadequately vented H ₂ O ₂ , high temperatures and combustibles
Incompatible Materials:	Iron, Copper, Chromium, Nickel. Mercury, Cobalt, Lead, Manganese, Tin, Dust, Rust, Dirt and Organic Compounds and Alkaline Compounds.
Hazardous Decomposition Products:	Acid gases

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Sodium Nitrite-LD50-(Rat)-88 mg/kg
Oral Administration:	Caustic 50% solution: LD50, Rat-300-500 mg/kg
Dermal administration:	Caustic 50% solution-LD50 Rabbit->2 g/kg
Immediate effects:	Hydrogen Peroxide. Effect on skin: Causes Caustic burns. With increasing contact length, local erythema or extreme irritation (whitening) up to blistering (caustic burn) can occur. Effect on eyes: Extreme irritation up to cauterisation. Can cause severe conjunctivitis, cornea damage or irreversible eye damage. Symptoms may occur with delay. Effects when swallowed: Swallowing can lead to bleeding of the mouth, esophagus and stomach. The rapid release of oxygen can cause distension and bleeding of the mucosa in the stomach and lead to severe damage of the internal organs, especially in the event of greater intake of product. Effect when inhaled: Inhalation of vapors/aerosols can lead to irritation of the respiratory tract and pulmonary edema. Symptoms may occur with delay.
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH

12 ECOLOGICAL INFORMATION

Fish, Oncorhynchus mykiss	Sodium Nitrite-flow through test LC50-0.94-1.92 mg/L-96.0 h
Fish, Lepomis macrochirus,	Caustic-99 mg/L, 48 hrs
Lepomis macrochirus,	no data available
Daphnia Magna,	Sodium Nitrite-EC50-12.5 mg/l
Abiotic degradability:	No data available
Bioaccumulation potential:	No data available
Water result:	Disperses in water.
Soil/Sediment Result:	Pronounced solubility and mobility

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number: 3098
UN Proper Shipping Name: OXIDIZING LIQUID, CORROSIVE, N.O.S.(SODIUM NITRITE, SODIUM HYDROXIDE),
Transport Hazard Class (es): 5.1, (8)
Packing Group: III
ERG: 140

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 2

Cercla Sodium Nitrite 100%--100 lbs
Cercla Sodium Hydroxide-RQ=1000 lbs

16 OTHER INFORMATION

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.

Date Prepared: 7/30/14