



Safety Data Sheet

Better Chemistry. Better Business

METAL GUARD® 821

Revised: 8/21/18

1 IDENTIFICATION

Product Name: METAL GUARD® 821

Product Code :2508021

Recommended use of the chemical and restrictions on use:Metal finishing

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



Signal Word: WARNING

Hazard Category: Oxidizing Liquids Hazard Category 3

Hazard Statements: May intensify fire, oxidizer

Prevention: Keep away from heat.

Keep/Store away from clothing and other combustible material.

Take any precaution to avoid mixing with combustibles.

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

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

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	~15%

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:	This chemical is not flammable. May ignite combustibles (wood, paper, clothing etc.)
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 combustible 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		

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:** Water like
- Odor:** NA
- Odor Threshold:** N/A
- PH:** 7-9 in 1% Water
- Melting Point/Freezing Point:** N/A
- Initial Boiling Point and Boiling Range:** N/A
- Flash Point:** N/A
- Evaporation Rate:** N/A
- Flammability (solid, gas):** N/A
- Upper/Lower flammability or explosive limits:** N/A
- Vapor Pressure:** <17.5 mm Hg at 20 °C
- Vapor Density:** N/A
- Relative Density:** 1.1
- 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 H2O2, 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
- Dermal administration:** Not established for this product

Immediate effects: Irritation of skin and eyes.
Cancer Hazard: Not listed by IARC, NTP, OSHA, ACGIH

12 ECOLOGICAL INFORMATION

Fish, Oncorhynchus mykiss Sodium Nitrite-flow through trst LC50-0.94-1.92 mg/L-96.0 h
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: 1500
UN Proper Shipping Name: SODIUM NITRITE SOLUTION,
Transport Hazard Class (es): 5.1, (6.1)
Packing Group: III
ERG: 140

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 0

Cercla Sodium Nitrite 100%--100 lbs
Sara Hazard Classification Sodium Nitrite-SARA 313 listed
Proposition 65 No Proposition 65 listed components in this formula

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.