

Better Chemistry. Better Business

METAL GUARD® 830

Revised: 1.14.25

1 IDENTIFICATION

Product Name: METAL GUARD® 830**Product Code :**2508030**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:** Eye Damage/Irritation Hazard Category 2A

Acute Aquatic Toxicity-Category 3

Chronic Aquatic Toxicity- Category 3

Hazard Statements:

Harmful to aquatic life with long lasting effects

Prevention: Wash skin thoroughly after handling.

Avoid releases to the environment

Wear rubber protective gloves and goggles.

Response: If in eyes: Wash cautiously with water for several minutes. Remove contact lenses if present and easy to do Continue rinsing.**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 %
Triisopropanolamine	-	122-20-3	10-15%

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: Wash with plenty of water.

After Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

After Ingestion:

No hazards which require special first aid measures.

Most Important Symptoms/Effects

Inhalation:

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

Eye:

Severe eye and or skin irritation or burns.

Skin:

Prolonged exposure may cause skin irritation.

Ingestion:

Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury, however, swallowing larger amounts may cause injury. Swallowing may result in burns of the mouth and throat.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:	Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.
Specific hazards arising from the chemical:	N/A
Special protective equipment and precautions for firefighter	Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

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:	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. Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

7 HANDLING AND STORAGE

Precautions for safe handling:	Do not get in eyes, or on skin, or on clothing. Wash hands thoroughly after handling.
Conditions for safe storage, inc any incompatibilities:	Do not store in: Aluminum, carbon steel, copper, copper alloys. Galvanized containers.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Trisopropanolamine	Not established		

ACGIH - American Control of Governmental Hygienists

OSHA - Occupational Safety and Health Administration

Ventilation: Local exhaust necessary to eliminate mist and water vapor.

Protective Gloves: Butyl or neoprene gloves

Eye Protection: Wear chemical safety goggles & full face shield

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Colorless Liquid

Odor: Slight amine odor

Odor Threshold: N/A

PH: 8.19

Melting Point/Freezing Point: NA

Initial Boiling Point and Boiling Range: NA

Flash Point: N/A

Evaporation Rate: N/A

Flammability (solid, gas): NON-FLAMMABLE

Upper/Lower flammability or explosive limits: non-flammable

Vapor Pressure: NA

Vapor Density: NA

Relative Density: 1.016

Solubility (ies): 100%

Partition Coefficient; n-octanol/water: NA

Auto-ignition Temperature: N/A

Decomposition Temperature: NA

Viscosity: NA

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Extremely high temperatures

Incompatible Materials: Avoid contact with: Nitrites. Strong acids. Strong Oxidizers. Product may potentially react with organic halogenated solvents resulting in temperature or pressure increases. Avoid contact with metals such as: zinc, galvanized metals, Heating above 60 °C in the presence of aluminum can result in corrosion and the generation of flammable hydrogen gas.

Hazardous Decomposition Products: not known

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Triisopropanolamine-LD50(Rat)-5994 mg/kg
Dermal administration:	LD50(Rat)->5000 mg/kg
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Daphnia Magna,	Triisopropanolamine-EC50->500 mg/L 48 h
Persistence and Degradability:	Does not readily biodegrade
Abiotic degradability:	Not expected
Biotic degradability:	Not expected
Bioaccumulation potential:	Not known
Water result:	Disperses in water.
Soil/Sediment Result:	No data available

13 DISPOSAL CONSIDERATION**14 TRANSPORT INFORMATION**

UN Number:	
UN Proper Shipping Name:	NOT D.O.T REGULATED
Transport Hazard Class (es):	
Packing Group:	
ERG:	

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 0

Sara Hazard Classification	The chemicals in this product are not subject to SARA Title III, Section 313 Reporting Requirements
Proposition 65	No Proposition 65 listed components in this formula
TSCA Inventory Status	All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

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.
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