

# Safety Data Sheet

Better Chemistry. Better Business

METAL GUARD 830 HTF

Revised: 12/18/15

## 1 IDENTIFICATION

4 FIRST AID

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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

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

Protective Gloves: Rubber gloves  
Eye Protection: Wear chemical safety goggles.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Water like  
Odor: Slight amine odor  
Odor Threshold: N/A  
PH: 8.36  
Melting Point/Freezing Point: N/A  
Initial Boiling Point and Boiling Range: N/A  
Flash Point: None  
Evaporation Rate: N/A  
Flammability (solid, gas): Non flammable  
Upper/Lower flammability or explosive limits: N/A  
Vapor Pressure: N/A  
Vapor Density: N/A  
Relative Density: 1.024  
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: Hazardous Polymerization will not occur.  
Chemical Stability: Stable under normal conditions  
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.  
Incompatible Materials: Avoid contact with strong oxidizers and strong acids.

## 11 TOXICOLOGICAL INFORMATION

Oral Administration: Trisopropanolamine-LD50(Rat)-5994 mg/kg  
Dermal administration: Trisopropanolamine-LD50(Rabbit)->5000 mg/kg  
Immediate effects: Irritation/ burns of skin and eyes.  
Cancer Hazard: Not listed by IARC, NTP, OSHA, ACGIH  
Routes of Exposure: Eyes, Skin, Inhalation, Ingestion

## 12 ECOLOGICAL INFORMATION

Persistence and Degradability:	Will biodegrade readily
Biotic degradability:	No data available
Bioaccumulation potential:	Unlikely
Water result:	Disperses in water.
Soil/Sediment Result:	No data available

## 13 DISPOSAL CONSIDERATION

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

## 14 TRANSPORT INFORMATION

UN Proper Shipping Name: NOT DOT REGULATED

## 15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 0

## 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.