



Safety Data Sheet

Better Chemistry. Better Business

METAL GUARD® 500 HF

Revised: 2/15/23

1 IDENTIFICATION

Product Name: METAL GUARD® 500 HF

Product Code :2505001

Recommended use of the chemical and restrictions on use:Metal Surface Protectant

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: DANGER

Hazard Category: Aspiration Hazard Category 1

Skin Corrosion/Irritation Hazard Category 2

Eye Damage/Irritation Hazard Category 2B

Hazard Statements: May be fatal if swallowed and enters airways.

Pictogram: Health Hazard

Prevention: Wash skin thoroughly after handling.

Wear protective rubber gloves.

Response: If swallowed: Immediately call poison center or doctor.

Do NOT Induce vomiting.

If on skin: Wash with plenty of water.

Specific treatment - refer to poison center or doctor for advice.

If skin irritation occurs: Get Medical advice/attention.

Take off contaminated clothing and wash it before reuse.

If in eyes: Wash cautiously with water for several minutes. Remove contact lenses if present and easy to do Continue rinsing. If eye irritation persists, get medical attention

Storage: Store locked up.

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 %
Distillates petroleum, hydrotreated light	-	64742-47-8	~70%
Paraffin oils (petroleum), catalytic dewaxed light	-	64742-71-8	0-13%
Hydrocarbon Waxes, petroleum oxidized	-	64743-00-6	~6%
Sulfonic acids, petroleum, calcium salts	-	61789-86-4	~6%

4 FIRST AID

After Inhalation:

Remove exposed person to fresh air and support breathing as needed.

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: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritated, call doctor.

After Ingestion:

If swallowed: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms/Effects

Inhalation:

Breathing of vapor or mist is possible. Breathing this materail may be harmful. Symptons are not expected at air concentrations below the recommended exposure limits(see section 8). It is possible to breath this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Causes respiratory tract irritation. Harmful if inhaled. Inhalation may cause central nervous system effects.

Eye:

Irritation of eyes and skin.

Skin:

This product can cause mild, transient skin irritation. The severity of irritation will depend on the amount of material that is applied to the skin and the speed and thoroughness that it is removed. Symptons include redness, itching, and burning of the skin. Repeated or prolonged skin contact can produce moderate irritation(dermatitis).

Ingestion:

If swallowed, this material may irritate the mucous membranes of the mouth, throat, and esophagus. It can be readily absorbed by the stomach and intestinal tract. Symptons include a burning sensation of the mouth and esophagus, nausea, vomiting, dizziness, staggering gait, drowsiness, loss of consciousness, and delerium, as well as additional central nervous system (CNS) effects. Due to its light viscosity, there is a danger of aspiration into the lungs during vomiting. Aspiration can result in severe lung damage or death.

Indication of immediate medical attention:

Provide general supportive measures and treat symptomatically. Symptons may be delayed. Keep victim under observation.

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:	Carbon oxides may be produced.
Special protective equipment and precautions for firefighter	Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Methods and Materials for containment & cleaning up:

Stop spill at source.

Caution: Spilled material may be slippery.

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:

Wash hands thoroughly after handling.

Wear rubber gloves, goggles and chemical protective clothing.

Eating, drinking and smoking in the work area is prohibited.

Conditions for safe storage, inc any incompatibilities:

Do not allow material to freeze.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Paraffin oils (petroleum), catalytic dewaxed light	ACGIH	5 mg/m ³ 8 hrs (Inhalable fraction)	-
Distillates (petroleum), hydrotreated heavy paraffinic	ACGIH	5 mg/m ³ 8 hrs (Inhalable fraction)	-
Petroleum Distillates	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:

Clear liquid with slight tint

Odor:

Characteristic hydrocarbon odor.

Odor Threshold:

N/A

PH:

N/A

Melting Point/Freezing Point:

N/A

Initial Boiling Point and Boiling Range:

N/A

Flash Point:

210 °F based on lowest Flash Point Component

Evaporation Rate:

N/A

Flammability (solid, gas):

Non flammable

Upper/Lower flammability or explosive limits:

N/A

Vapor Pressure:

10 mm Hg

Vapor Density:

4.8

Relative Density:	0.842
Solubility (ies):	not soluble
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A
VOC Content	41.24% wt

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:	Not established for this product
Oral Administration:	Distillates (petroleum), hydrotreated heavy paraffinic-LD50(Rat)->15000 mg/kg
Oral Administration:	Petroleum Distillates LD50(Rat)->5000 mg/kg
Inhalation:	Petroleum Distillates LC50 (Rat-4 h)- 0.5 mg/L
Dermal administration:	Paraffin Oils (petroleum), catalytic dewaxed light-LD50(Rabbit)->2000 mg/kg
Dermal administration:	Distillates (petroleum), hydrotreated heavy paraffinic-LD50(Rabbit)->5000 mg/kg
Dermal administration:	Petroleum Distillates-LD50(Rabbit)-2000-4000 mg/kg
Immediate effects:	Irritation/ burns of skin and eyes.
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH

12 ECOLOGICAL INFORMATION

Persistence and Degradability:	Not Available
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 D.O.T REGULATED

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 2 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.