

# MATERIALS SAFETY DATA SHEET



## SECTION 1 – IDENTIFICATION

Product Identifier: Metal Protector HD  
Product Use: Restoration Coating  
Manufactured for: Presto Restoration Products  
555 North Point Center East  
4<sup>th</sup> Floor  
Alpharetta, GA 30022

Product Identification # (PIF): 003720  
Emergency Telephone #: 1-800-255-3924 ChemTel  
General Information #: 770-521-0080  
Date Prepared: May 10, 2017

## SECTION 2 – HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: WARNING

Hazard Statement	Category	Code	Hazard Class
May cause respiratory irritation	3	H335	STOT: SE, Respiratory Tract Irritation
May cause drowsiness or dizziness.	3	H336	STOT, SE; Narcotic Effects

Precautionary Measures:

Category	Code	Statement
Prevention	P261 P271	Avoid breathing fumes/mists/ vapors/sprays. Use only outdoors or in a well-ventilated area.
Response	P304+P340 P312	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Storage	P403+P233 P405	Store in a well ventilated place. Keep container tightly closed. Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Hazards not otherwise classified: Repeated or prolonged skin contact may cause dermatitis (skin drying).

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Common Name/Synonym	CAS #	Concentration Range %
2-butyoxyethanol	Ethylene glycol monobutyl ether	111-76-2	4 – 8

## SECTION 4 – FIRST AID MEASURES

**Eyes:** Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention.

**Skin:** Wash with soap and water. Remove contaminated clothing and laundry before reuse. If irritation develops and persists, seek medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.

**Ingestion:** DO NOT INDUCE VOMITING. Call a physician immediately. If completely conscious and aware, have victim rinse out mouth, then drink 8-16oz. water to dilute. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

## SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point:** Above 200°F (93°C) in water

**NFPA 30 Flammability:** Class IIIB Combustible liquid

**Extinguishing Media:** Foam, dry chemical, carbon dioxide fire extinguishers, water fog or spray. Do not spray water directly on fire. Use water spray to cool containers.

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Specific hazards arising from chemical: Vapors are heavier than air and may travel along the ground to an ignition source.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is not sensitive to static discharge.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Avoid breathing fumes/mists/ vapors/sprays. Wash thoroughly after handling.

For Small Spills: Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Vapor-suppressing foam may be used to reduce vapors. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

## SECTION 7 – HANDLING AND STORAGE

Handling: Wear personal protection equipment (Section 8). Use only outdoors or in a well-ventilated area. Avoid breathing fumes/mists/ vapors/sprays. Do not handle around sources of ignition. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not mix with other chemicals unless label instructs otherwise. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.

Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container tightly closed when not in use. Store locked up. Store in a well-ventilated place. Protect from physical damage. Store away from strong oxidizing agents, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
2-butyloxyethanol	111-76-2	50ppm	20ppm	Not established

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles.

Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing. Boots.

Respirator: Use NIOSH approved protection if PEL is exceeded or if vapors are causing irritation.

Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White, opaque liquid	Upper/Lower flammability limits	Not determined
Odor	Butyl	Vapor pressure	>0.1mmHg @ 20°C
Odor threshold	Not determined	Vapor density (Air = 1)	<1
pH	8 – 9.5	Specific gravity (water = 1.0)	1.020 g/ml
Melting point	Not determined	Solubility	Complete in water
Freezing point	-5 to -10F	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	Above 200°F (93°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity, Brookfield #4 @ 60 rpm	1500 – 2500 cps
Flammability	Class IIIB Combustible	VOC by weight	6%

## SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Incompatible materials: Avoid strong oxidizing agents, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

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## SECTION 11 – TOXOLOGICAL INFORMATION

### Toxicity:

Oral (LD50 Rat): >5000mg/kg  
Dermal (LD50 Rabbit): >2000mg/kg  
Inhalation (LC50 Rat): Not determined

Skin corrosion/irritation: Not classified. Prolonged/repeated skin exposures can result in dermatitis.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: No data available.

Carcinogenicity: NTP/IARC/OSHA Carcinogen: Not classified

Reproductive toxicity: Not available.

STOT-single exposure: May cause respiratory irritation. May cause dizziness or drowsiness. Symptoms may include headache, dizziness, nausea, euphoria, drowsiness and fatigue.

STOT-repeated exposure: Not classified.

Aspiration hazard: Not classified.

Ingestion: Not classified. Swallowing large amounts may cause central nervous system depression: headache, dizziness and gastrointestinal distress.

Likely routes of exposure: Eyes, skin and inhalation.

Interactive effects: None known.

## SECTION 12 – ECOLOGICAL INFORMATION

### Toxicity:

96h LC-50 (fish): >100ppm  
96h EC-50 (invertebrates): Not determined  
48h LC-50 (algae): Not determined

Persistence and degradability: Not determined.

Bioaccumulative potential: Low potential.

Mobility in soil: Soil mobility not determined.

Other adverse effects: None known.

## SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.

RCRA: Not applicable.

## SECTION 14 – TRANSPORT INFORMATION

### United States D.O.T.:

Not regulated

### IATA and IMDG:

Not regulated

Marine Pollutant (IMDG Code): No

Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

## SECTION 15 – REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	No
Delayed (Chronic) Health	No	Reactive Hazard	No

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SARA Title 313: This material contains the following chemical components with known CAS numbers subject to reporting requirements (40 CFR 372): Ethylene Glycol Monobutyl Ether CAS# 111-76-2, % by wt. = 6%.

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: Ethylene Glycol Monobutyl Ether CAS# 111-76-2 - California, Massachusetts, Minnesota, New Jersey & Pennsylvania.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: Not applicable.

## SECTION 16 – OTHER INFORMATION

Date prepared: May 10, 2017

Hazard Ratings (HMIS): Health 1, Flammability 1, Reactivity 0 (Scale 0 – 4).

Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SE	Single Exposure
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof. Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92. SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.