

EVERBRITE

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Quickstart Directions for Everbrite™ or ProtectaClear®

On Uncoated Brass, Bronze, Copper, Silver, Stainless Steel, Aluminum or other Non-Painted Metals.

4 Basic Steps:

1. Polish if necessary
2. Neutralize if acid is used
3. Solvent wipe
4. Apply Coating

****PREPARATION****

NEW or METAL WITH PATINA – Solvent wipe to remove any residue or contaminant. **IMPORTANT.**

(see step #3 below) then apply coating. Solvent will NOT remove most forms tarnish or patina. Test a small area first.

TARNISHED or OXIDIZED METAL –

1. **Polish** or buff the surface to the luster desired with any metal polish you like. The metal can also be sanded or just cleaned.
2. **Neutralize.** Many polishes contain acid, the surface must be neutralized. Check ingredient list for acid. **THIS STEP CAN BE SKIPPED IF NOT USING POLISHES THAT ARE ACID BASED.** Maas does not contain acid. Use EZ Prep™ Cleaner & Neutralizer mixed 1:4 with water **OR** 1 cup baking soda mixed with 1 gallon of water. Wash the metal with the neutralizing solution. Rinse with fresh water. Dry with a clean cloth to prevent spotting.
3. **Solvent wipe** the metal with xylene or denatured alcohol to remove any traces of residue (from polishes, waxes, oils, buffing compounds, etc.). **This step needs to be done immediately before coating.** Skipping this step will result in poor adhesion of the coating. (Solvent not included in kits – available at hardware stores)

*****APPLICATION OF COATING***** - TWO COATS are recommended

Personal Protection: Nitrile or chemical protective gloves to protect your hands (*Rubber gloves will get sticky due to solvent in the coating*) and Eye Protection. If spraying any coating, a NIOSH respirator is recommended.

Apply the coating to a completely dry surface. Warming the metal with heat gun or hair dryer will also help. Allow metal to cool before coating.

1. Pour the coating into clean, dry, **metal or glass** pan. **DO NOT DILUTE COATING.** (*Do not use plastic as the solvent can melt plastic.*)
2. For application, use a clear-coat applicator, microfiber roller, natural-bristled paintbrush, clean dry lint-free white cloth, aerosol can or paint sprayer with a fine-finish tip. If using a cloth, fold it into a pad. Items can also be dipped into the coating and hung to dry.
3. Submerge applicator completely into the Coating. This is important- as dry areas in the applicator can cause streaks. Squeeze out just the excess. Applicator should be saturated but not dripping.
4. Apply the Coating to the surface letting the applicator “glide” across the surface. **Do not press hard.** Applicator should **glide** smoothly, when it starts showing resistance, dip the applicator again. If you get drips, simply smooth them out before the coating starts to dry. *****Observe the coating. If there is fisheye or the coating separates, STOP and re-clean the surface.** Silicone can cause separation & can be cleaned with mineral spirits.
5. Let the coating dry completely. **It will self-level if left alone.** If you see an area you missed, let it dry and then coat over the missed area. Wait at least one hour between coats. Everbrite coatings are self-annealing- meaning the second coat will become part of the first coat, so it is important not to press hard while applying-. Gently glide your applicator over the surface.

Under normal circumstances & with good ventilation, the coating will be fully cured after 4-5 days. The coating will be delicate until it is fully cured. Coating **MUST** be cured before allowing water to sit/dwell on the coated surface, immersing in water or filling fountains, etc. In most cases, dew or rain does not hurt the coating once it is dry to the touch. You can shorten cure time by gently heating the coating AFTER it is dry to the touch. Dry coated items placed in a low temperature oven (160°F -180°F) for 1 hour will be cured. Due to the porous nature of steel- RAW, COLD ROLLED OR MILD STEEL NEEDS 3 TO 4 COATS. Warm the steel to help ensure a completely dry surface.

AFTER CARE: DO NOT use solvent based cleaners or abrasives to clean coated metal. Do not use cleaners with “petroleum distillates”. Suggested cleaners: Windex, mild soap & water or similar.

*****The article to be coated must be scrupulously clean. If you try to take shortcuts on cleaning, you will probably have to remove the Coating & start over. Everbrite Coatings can be removed with solvents like xylene.**

*Please read and follow all directions and cautions on packaging & Material Safety Data Sheet.

PROTECTA CLEAR® – 132

1. Chemical Product / Company Identification

Product Name ProtectaClear® Coating
 Supplier Everbrite, Inc.
 4600 Kietzke Ln # N254
 Reno, NV 89502
 Telephone 916-852-0200
 Emergency Phone 800-424-9300

2. Hazardous Components

Common Chemical Name:

2-ButoxyethylAcetate CAS Number 112-07-2 Less than 10%
 TLV-TWA 25ppm

3. Hazards Identification

Most Important Hazards Skin irritation, Respiratory
 irritation, dizziness, nausea,
 loss of consciousness.

Specific Hazards None

HIMS Rating Health 2
 Fire 1
 Reactivity 0

Pennsylvania Right to Know: The following non-hazardous
 ingredients are present in
 the product greater than 3%
 - NONE

California Proposition 65: None Known

4.. Composition/Ingredients. ProtectaClear® is a blend of
 polymer resins in solvents with Anti-Oxidants.

5. Emergency and First Aid Procedures

Routes of Exposure Emergency Procedures

Inhalation Move victim to fresh air, rest and keep
 warm. Apply artificial respiration if
 breathing has stopped or oxygen if
 breathing is irregular. Get immediate
 medical attention.

Skin Contact Remove contaminated clothing.
 Wash affected areas well with soap
 & water. If irritation persists, get
 medical attention.

Eye Contact Hold eyelid open and flush with water
 for at least 15 minutes. Get medical
 attention if irritation persists.

Ingestion Do not induce vomiting. If victim
 vomits, turn into recovery position.
 Vomiting can cause chemical
 pneumonia. Get immediate medical
 attention.

6. Fire Fighting Procedures

Extinguishing Media Alcohol foam, dry chemical powder,
 carbon dioxide. Water may be
 ineffective on fire.

Specific Hazard Vapor is heavier than air and can
 travel a considerable distance to a
 source of ignition and flashback.

Specific Methods Keep away from heat, flame and
 sparks. Keep containers closed. Cool
 exposed containers with water. Use
 water to knock down vapor.

7. Accidental Release Measures

Personal Precautions Extinguish any naked flames or
 source of ignition. Evacuate personnel
 from area. Avoid inhalation of vapors.

Environmental Prevent contamination of ground
 water and drains. Inform authorities if
 this occurred.

Disposal Procedures Cover area with sand or absorbent
 material to absorb spilled material and
 sweep up. Use water spray to knock
 down vapor. Contaminated sand and
 water should be disposed of
 according to section 13.

8. Handling and Storage

Precautions for Safety Ensure good ventilation. Take
 precautions against static
 discharge.

Technical Measures Store in accordance with all
 national, regional and local
 regulations pertaining to the
 storage, handling, dispensing, and
 disposal of combustible liquids.
 No smoking. Naked flames, hot
 elements or other ignition sources
 must not be present.

Storage Conditions Store in tightly closed clearly
 labeled containers in cool well-
 ventilated area.

Incompatible Materials Strong oxidizing agents.
 Packaging Material Store in mild steel vessels.

9. Exposure Controls and Personal Protection

Engineering Measures	Ensure good ventilation. No vessel should be entered until it is gas-free. Workman outside should keep workmen inside the vessel under observation.
Respiratory	Not generally required. Use NIOSH approved respirator if spraying.
Gloves	Nitrile, PVC, Neoprene
Eyes	Safety glasses with splash shields or face shield
Other Measures	Protective apron, long sleeves, chemical resistant boots.

10. Physical and Chemical Properties

Appearance	Colorless liquid
Odor	Aromatic
Melting Point	<450°F
Boiling Point	350°F - 373°F
Flash Point	155°F TCC
Vapor Density	>Air
Solubility in Water	insoluble
Viscosity	22sec. Zahn#2
V.O.C.	788 g/L
Explosive Limits	UEL-8.5 LEL-0.5

11. Stability and Reactivity

Stability	Stable
Conditions to Avoid	High temperatures & ignition sources
Materials to Avoid	Strong Oxidizers. Alkalies, aqueous acids, amines and acidic alcohols.
Hazardous Decomposition	Carbon oxides formed when burned.

12. Toxicological Information

Eye Contact	Liquid, aerosols and vapors are Irritating, can cause pain, tearing, reddening.
Skin Contact	Prolonged or repeated contact can result in defatting & drying of the skin.
Inhalation	Prolonged inhalation may be harmful. Headaches, dizziness, nausea may result from over-exposure.
Ingestion	Harmful or fatal if swallowed.
Dermal	LD ₅₀ >2000
Oral	LD ₅₀ >2000
Chronic Toxicity	No significant neurotoxic, blood, kidney or other effects.
Carcinogenicity	Suspected (NTP & ACGIH)
Mutagenicity	Data not Available
Teratogenicity	Negative

13. Ecological Information

Mobility	Data not Available
Biodegradability	Data not Available
Bioaccumulation	Data not Available
Ecotoxicity	Moderately Toxic

14. Disposal Procedures

Disposal should be in accordance with local, regional or national regulations. Contaminated waste and packaging should be destroyed by incineration at an approved incinerator. If recovery of contaminated product is not possible, it should be destroyed by incineration.

15. Transportation Information

Shipping Name	US DOT - Not Regulated.
Hazard Class	N/A
Identification Number	N/A
Packing Group	N/A
Labels Required: COMBUSTIBLE LIQUID, regulated under AS1940 for Bulk Storage purposes only.	
HAZCHEM: None	
NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:UN, IATA, IMDG	

16. Regulatory Information

RCRA	Not Reportable
CERCLA	Not Reportable
SARA 311/312	Not Reportable
SARA 313	Not Reportable

The information contained in this SAFETY DATA SHEET is provided pursuant to 29CFR 1910.1200 to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.

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