

L-1830 REFINISH PLUS

Product Description

Super concentrated alkaline, non-acid aluminum brightener. Very safe, easy to use formulation that will not etch glass. Excellent 3-way cleaning action gives superior results on all painted and aluminum transportation equipment, air conditioning coils, concrete surfaces, machinery, industrial soils, and on all types of food contact surfaces. Authorized by USDA for use in federally inspected meat and poultry plants. Not for use on zinc and highly polished or anodized aluminum surfaces.

Directions For Use

Dilutions: General Cleaning - 1 to 3 ounces per gallon.
Heavy Duty Cleaning - 4 to 6 ounces per gallon.
Heavy Duty Cleaning
and Brightening - 8 to 10 ounces per gallon.
Aluminum Brightening
and Coil Cleaning - 12 to 16 ounces per gallon.

Application: Dilute with hot or cold water. Apply manually, high or low pressure spray, steam foamer, or a drive through system. Allow cleaner to remain on the surface for 3-5 minutes before rinsing with either low or high pressure water. Routine cleaning will maintain aluminum surfaces in a clean, bright and shiny condition.

Cautions

DANGER. KEEP OUT OF REACH OF CHILDREN. Contains Potassium Hydroxide. If eye contact occurs, flush immediately with water for at least 15 minutes. If irritation persists, see a physician. Wash from skin with water. Wash contaminated clothing before reuse. For more safety and handling instructions, see Material Safety Data Sheet.

Specifications

<i>Odor</i>	Mild Musty
<i>Appearance</i>	Clear, Pale Liquid
<i>pH (1.0% solution)</i>	13.5 (approx.)
<i>Specific Gravity</i>	(H ² O=1) 1.145 ± 0.005
<i>Foaming</i>	Copious
<i>Flash Point</i>	None
<i>Solubility in Water</i>	Complete

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MATERIAL SAFETY DATA SHEET
(Prepared According to 29 CFR 1910.1200)

SECTION 1: PRODUCT IDENTIFICATION

Distributor: Progressive Systems Inc.	Emergency Phone Number: (302) 732-3321
Address: P.O. Box 35 - 25 Hickory Street Frankford, Delaware 19945	
Trade Name: L-1830 Refinish Plus	Product Type: Cleaner and Aluminum Brightener

SECTION 2: HAZARDOUS INGREDIENTS

CHEMICAL NAME / COMMON NAME	C.A.S. NUMBER	PERCENT (OPTIONAL)	TLV (SOURCE)
Water	7732-18-5	To qs.	Net Established
Potassium Hydroxide	1310-58-3	7.0 - 11.0	2 mg/m ³ (ACGIH)
Tetra sodium EDTA	6402-02-8	1.0 - 3.0	Not Established
Nonylphenolpolyethoxyethanol	9016-45-9	1.0 - 4.0	None Listed
2-butoxy ethanol	111-76-2	1.0 - 4.0	50 ppm (240 mg/m ³) (skin) OSHA PEL
Sodium Nitrate	7631-99-4	1.0 - 3.0	None Listed

SARA HAZARD TITLE III, SECTION 323: Contains the starred (*) ingredients at the indicated percentages.
Other ingredients in this product are: Less than 1.0 % by weight or 0.1% for carcinogens Not Hazardous Declared to be Trade Secret

SECTION 3: PHYSICAL DATA

Boiling Point (° F): Near 212	Specific Gravity (H2O = 1): 1.145 ± 0.005	pH: 13.5 (approximately)
Vapor Pressure (mm Hg): Not determined	Vapor Density (air = 1): Not determined	
Solubility in water: <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slight (or Partial)		
Evaporation Rate (vs. Water): <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the same		
Appearance and Odor: Clear, Straw Colored Liquid. Slight detergent odor.		

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.) ° F: None to boiling	Flammable Limits: Upper - Not Established Lower - Not Established
Extinguishing Media: As appropriate for surrounding fire. CO ² , Dry Chemical Foam, Water Spray. Water spray to cool drums and prevent rupture.	
Special Firefighting Procedures: Do not enter confined fire spaces without appropriate protective gear and self-contained air supply.	
Unusual Fire or Explosion Hazards: None known.	

SECTION 5: STABILITY AND REACTIVITY DATA

Stability: Product is stable.	Polymerization: Will not occur
Hazardous Decomposition Products: None	Incompatibility: Strong Acids

SECTION 6: HEALTH HAZARDS

Primary Routes of Exposure: Eye Skin Oral Inhalation Other

Signs and Symptoms of Over exposure (Acute): **Eyes and skin:** Can cause severe irritation, even burns, depending on duration of exposure. **Ingestion:** Pain and inflammation of the mouth, pharynx, esophagus and stomach. Causes erosion of the mucous membranes, especially the stomach. Vomiting will usually occur. **Inhalation:** Do not concentrate and inhale vapors. None from vapors or mist with proper ventilation.

Signs and symptoms of overexposure (Chronic): None known **Medical Conditions Aggravated by Overexposure:** None known

SECTION 7: EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush immediately with water for at least 15 minutes. Call a physician.	Skin: Flush immediately with water for at least 15 minutes. Call a physician.
Ingestion: Immediately drink lots of water. Do not induce vomiting. If vomiting occurs, keep head below hips to avoid aspiration. Never give anything by mouth to an unconscious person. Seek immediate medical attention.	
Inhalation: Remove exposed person to fresh air. Treat symptomatically.	

SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not needed under normal conditions of use. Eye Protection: Safety Glasses/Goggles Protective Gloves: Rubber, Latex, Nitrile
Ventilation Requirements: <input checked="" type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/> Room Ventilation is adequate.

SECTION 9: SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled: Flush spill area with water. For large spills, contain spill, then pick up with mop, wet-vac, or absorbent. Wash residue to sewer. Non toxic and biodegradable. **Waste Disposal Method:** Dispose of in accordance with Federal, State and Local ordinances.

SECTION 10: STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage: Do not get in eyes, on skin or clothing. Do not mix with other chemicals. Use with adequate ventilation. Wash thoroughly after handling. Avoid breathing mists or vapors. Keep container closed. Store in a cool, dry place away from strong acids.

The health hazards given on the Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure to the product under normal condition of use.