



# MATERIAL SAFETY DATA SHEET

Date of issue: August 16, 1999

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## SECTION 01: PRODUCT INFORMATION

**Manufactured For:** Timber Pro Coatings Ltd  
140 -12051 Horseshoe Way  
Richmond, B.C.  
V7A 4V4  
(604) 270-4244

**Product Name:** Clean & Brite

**Product Type:** Wood Cleaner and Brightener

**UN Number:** Not applicable

**Product Class:** Cleaner

**C.A.S. Number:** Mixture

## SECTION 02: HAZARDOUS INGREDIENTS

Component	CAS No.	Amount	LD50/LC50
Phosphoric Acid (corrosive)	7664-38-2	5-10%	Oral, rat: LD50 = 1530 mg/kg; Skin, rabbit: LD50 = 2740mg/kg

## SECTION 03: PHYSICAL DATA

<b>Physical State:</b> Liquid	<b>Solubility in Water:</b> Soluble
<b>Appearance:</b> Blue	<b>Odour Threshold:</b> N/A
<b>Odor:</b> Phosphorous scent	<b>Vapour Density:</b> N/A
<b>Evaporation Rate:</b> N/A	<b>Vapour Pressure:</b> N/A
<b>Boiling Point:</b> 100°C (212°F)	<b>PH:</b> 1.0 +/- 0.5
<b>Freezing/Melting Point:</b> 0°C (32°F)	<b>Acid Reserve:</b> N/A
<b>Coefficient of Oil/Water distribution:</b> N/A	<b>Specific Gravity:</b> N/A
<b>Viscosity:</b> N/A	<b>*N/A=No data available</b>

## SECTION 04: FIRE AND EXPLOSION DATA

**Conditions of Flammability:** May evolve hydrogen when in contact with chlorides and stainless steel.

**Flash Point and Method of Determination:** N/A

**Lower Flammable (Explosive) Limit (LFL/LEL):** N/A

**Upper Flammable (Explosive) Limit (UFL/UEL):** N/A

**Auto-Ignition Temperature:** N/A

**Means of Extinction:** Use media appropriate for containment. Cool off containers with water spray.

**Hazardous Combustion Byproducts:** May evolve oxides of carbon/sulfur, phosphine, phosphorus, and hydrogen gas.

**Explosion Data – Sensitivity to Mechanical Impact:** N/A

**Explosion Data – Sensitivity to Static Discharge:** N/A

Clean & Brite MSDS

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**SECTION 05: REACTIVITY DATA**

**Unstable:** No

**If Unstable, Under Which Condition:** N/A

**Incompatible Materials:** Alkalis, oxidizers, aldehydes and ketones.

**Conditions of Reactivity:** Sunlight or long-term exposure to ambient air in an open enclosure may cause product degradation however none should be hazardous.

**Hazardous Decomposition Products:** N/A

**SECTION 06: TOXICOLOGICAL PROPERTIES/HEALTH HAZARD DATA**

**Routes of Entry/Exposure:**

**Skin Contact** – Yes,      **Skin Absorption** – Yes,      **Eye Contact** – Yes,      **Inhalation** – No  
**Ingestion** – Yes.

**Effects of Acute Exposure to Product:** May cause inflammation or burns upon acute contact.

**Effects of Chronic Exposure to Product:** May cause dermatitis upon prolonged exposure to dilute solutions.

**Exposure Limits:** Phosphoric Acid: ACGIH 1mg/m<sup>3</sup>; 3mg/m<sup>3</sup> STEL, NIOSH 1mg/m<sup>3</sup> TWA 1000mg/m<sup>3</sup> IDLH; OSHA – Final PELs 1mg/m<sup>3</sup> TWA

**Irritancy of Products:** May cause irritation or burns to skin, eyes, and mucous membranes.

**Sensitization to Product:** Not expected to occur.

**Carcinogenicity:** Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**Reproductive Toxicity:** No adverse reproductive effects were seen in rats fed 0.4000 ppm in diet since weaning and mated at 32 wk & 43 wk or offspring fed the same diet after weaning. (Bonting. S.L. et al Voeding).

**Teratogenicity:** No data available.

**Mutagenicity:** EPA Genotox program 1988, Negative: cell transform – SA7/SHE activation negative (AL-anl. F. Y. Mutal Res. 1988) metabolic activation negative (Blofax data sheets 1970).

**Names of Toxicologically Synergistic Materials:** No data available.

**SECTION 07: First Aid Measures**

**Inhalation:** Immediately remove victim to fresh air. If breathing is difficult, have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

**Skin:** Immediately flush skin with water for 15 minutes while removing contaminated shoes and clothing.

**Eyes:** Immediately flush victims eye with large quantities of water for at least 15 minutes, holding the eyelids apart. Remove contact lenses if present. Get immediate medical attention.

**Ingestion:** Do not induce vomiting. If conscious, give victim plenty of water to dilute concentration. Get immediate medical attention. Small amounts of milk may be used after water is administered if requested.

**SECTION 08: Preventative Measures**

**Engineering Controls:** Use with general or adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

**Personal Protective Equipment:**

**Protective Clothing:** Wear chemically impervious long-gloves, aprons and boots such as nitrile, neoprene or butyl rubber

**Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European standard EN166.

**Respiratory Protection:** Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN149. Always use a NIOSH or European standard EN 149 approved.

**Storage Requirements:** Store in a cool, dry place out of the sunlight in a well ventilated area away from the other types of chemicals.

**Handling Procedures and Equipment:** Avoid contact with eyes, skin, and clothes. Avoid breathing mist. Wear protective gear. Wash after handling. Keep closed when not in use.

**Leak/Spill Clean-up:** Wear protective gear. Small spills can be neutralized with diluted soda ash. Collect with absorbent and place into appropriate containers. Prevent spill from enter sewers and watercourses. Report release as required by local, provincial and federal authorities.

**Waste Disposal:** Dispose of in accordance with local, provincial and federal regulations. Do not reuse containers.

**Special Shipping Information:** Corrosive liquid (phosphoric acid) UN 1805, PG III Class 8

**SECTION 09: Preparation Information**

**Prepared For:** Timber Pro Coatings

**Phone Number:** 604-270-4244

**Prepared On:** Aug. 20,2008

CAS# 7664-38-2 is listed on Canada's DSL list.

This product has a WHMIS classification of E (corrosive).

CAS# 7664-38-2 is listed on Canada's Ingredient Disclosure List.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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