



A Division of SAE Corporation

Nortek® COPPERWORKS

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Outlast™ Q8 Log Oil

Water Repellent, Rot Control, Termiticide, Exterior Stain

Available in 6 Beautiful Wood Tones and clear

**(01) Natural Base, (02) Lt. Gold, (03) Med. Gold, (04) Med Reddish Brown,
(05) Dark Brown, (06) Barn Gray**

Outlast™ Q⁸ **Log Oil** is an EPA registered **exterior** wood preservative specifically designed to control decay causing organisms (and mold, termites, powder post beetles) in log homes and on wood siding. It provides unsurpassed water repellency and sheer trans-oxide color with **one coat** coverage. Q⁸ **Log Oil** is a totally non-film forming EXTERIOR treatment that will never crack or peel. The trans-oxide pigment system provides excellent UV control that **operates like a sunscreen** to slow down graying of the wood and provide fade resistant color. The solution soaks into the wood to provide protection, not just on the surface, but also deep into the wood cell structure. Q⁸ **Log Oil** offers unique flexibility in terms of application temperature ranges; log moisture content and delivery method. Q⁸ **Log Oil** meets all nationwide VOC requirements.

Surface Preparation Procedures: The log or wood surface **MUST** be porous. Remove mill glaze, dirt, mildew, or any film coatings before application. Avoid sanding. If sanding was required to remove a prior coating, re-open the pores of the wood with a chemical or detergent cleaner, thoroughly rinse and allow to dry as much as is possible (3-5 dry days) before application of Q⁸ **Log Oil**. The absorption of Q⁸ **Log Oil** is directly related to the porosity of the wood, and more absorption of oil results in a better and longer lasting treatment. Because of this, new unseasoned wood will require more frequent applications than older dryer wood. New wood usually benefits from an initial cleaning with bleach, water and TSP, followed by a brightener such as Oxo Wood Cleaner. One quart of CTA's KleenStart granules diluted in 5-gallons of warm water will clean and brighten in one step. Rinse thoroughly and allow to dry before application of Q⁸ **Log Oil**. A power washer at low pressure is an appropriate and time saving tool for wood surface preparation.

Before you start: Test the color first. Full color and curing takes approximately 2 weeks. Be aware that once Outlast Q⁸ **Log Oil** is applied and has soaked into the wood, it is permanent in the wood. The surface will need to be re-freshed for color and water repellency, but the product inside cannot be removed. If you want to change the color, be advised that *solid* colors are not possible in this system. *Semi-transparent* shades are the only choices available. If you have made an error in your color choice, you can power wash the surface color away and re-apply a different *semi-transparent* shade of Q⁸ **Log Oil** after the initial curing process.

Spray, brush or roll: Stir product well before use and stir occasionally during application to keep pigments suspended. Intermix batches from different lot numbers. The fastest, easiest delivery method is by use of a pump-up type sprayer with a plastic or non-corrosive tip. (Brass tip is NOT

recommended.) **Airless spray applicators are not recommended due to excessive atomization and subsequent product loss.** (Professionals may have airless equipment suitable for low-pressure applications, but do-it-yourselfers will have better results with the pump-up applicator.) Apply as much liquid as the wood will absorb. It is not necessary to “keep a wet edge” or to apply multiple coats or wet-on-wet coats. It is not necessary to clean out equipment until the job is finished, even if the job takes a week or more to complete! When ready to do so, equipment can be cleaned with laundry detergent and water or mineral spirits if desired.

Weather conditions before during or after application: Outlast Q⁸ **Log Oil** can be applied during a wide range of weather conditions. Wet or cold logs/wood will not absorb as much product as dry/warm ones. Below 50 degrees, Q⁸ **Log Oil** will become too thick to pump through a pump sprayer and may require hand brushing. Streaking of pigment may result if it rains within 36 hours of treatment. Simply re-spray the surface with more product, let it sit for 15 minutes and smooth out any streaks with a stiff paintbrush.

Longevity, re-applications: Generally, it is recommended that new construction be re-treated within 24 months of the initial application. Exactly when during the 24 months is determined by the moisture content of the log and/or the temperature/weather conditions at initial application. Coverage needs to be in the 125 – 175 square feet per gallon range. The more the better. **Under application is far and away the primary cause of short treatment life.** However, only one coat at a time is recommended. The water repellency in Outlast Q⁸ **Log Oil** builds quickly making it unfeasible to multi-coat until a period of years has elapsed. (It becomes so water repellent, it repels itself!) Additional applications should be applied as needed, usually every 4-8 years.

Mildew: Always sanitize the surface before application to remove all existing mildew spores. (See Surface Preparation Procedures.) However, be aware that mildew grows on dirt. Logs are outside and subject to dirt. Expect some mildew; especially on new logs that have not had the benefit of several soaking applications of Q⁸ **Log Oil**. Mildew inhibiting additives are available for paints and stains and are recommended for use with Q⁸ **Log Oil**. Consult your local paint dealer.

Insects: Outlast Q⁸ **Log Oil** is an EPA registered wood preservative containing copper 8 quinolinolate. Copper 8 has very low mammalian toxicity and has been approved for use on wood that comes into incidental contact with food such as picnic tables, produce bins, etc. Copper 8 is very toxic however, to a broad range of wood *eating* insects. Termites and powder post beetles, for instance are killed by ingesting wood treated with copper 8 quinolinolate. Some insects, however, such as carpenter bees, ladybugs, dirt daubers, etc, do NOT eat the wood. These insects bore and/or nest, but do not eat the wood. Additives such as NBS 30™ can be successfully mixed into the Q⁸ **Log Oil** during application to inhibit crawling and nesting insects. See your dealer for additional information.

Precautions: Do not spray Outlast Q⁸ **Log Oil** on asphalt shingles because it will soften asphalt on contact. Roof over spray or spills on asphalt driveways should be cleaned IMMEDIATELY with large volumes of a suitable detergent. **Review the safety precautions on the label carefully before opening the container.**

KEEP OUT OF REACH OF CHILDREN

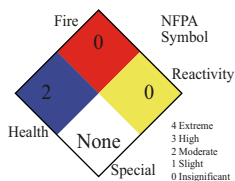
For spill, leak, or Medical Emergency call Infotrac 800-535-5053



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Section I - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Petroleum Oil (Refined Paraffinic Distillate)	5.0mg/m ³	5.0mg/m ³		70 -90%
Copper 8-Hydroxyquinolate CAS # 10380-28-6	1.0mg/m ³	1.0mg/m ³		

Section II - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	0.895
Vapor Pressure (mm Hg.)	<1	Melting Point	N/A
Vapor Density (Air = 1)	Unknown	Evaporation Rate (n-Butyl Acetate = 1)	<1
Solubility in Water: Not Soluble		VOC – less than 250 grams per litre	
Appearance and Odor: Green slightly viscous liquid with mild petrochemical odor			

Section III - Fire and Explosion Hazard Data

Flash Point (Method Used) > 250 F (PMCC)	Flammable Limits	LEL Unknown	UEL Unknown
Extinguishing Media: Dry Chemical, Foam, or CO ₂			
Special Fire Fighting Procedures: Wear NIOSH approved breathing apparatus and full protective gear if there is a potential for exposure to smoke. Use water spray to cool containers exposed to fire.			
Unusual Fire and Explosion Hazards: None known			

Section IV - Reactivity Data

Stability	Unstable	<input type="checkbox"/>	
	Stable	<input checked="" type="checkbox"/>	
Incompatibility (<i>Materials to Avoid</i>) Strong oxidizing agents			
Hazardous Decomposition or Byproducts None Known			
Hazardous Polymerization	May Occur	<input type="checkbox"/>	Conditions to Avoid None known
	Will Not Occur	<input checked="" type="checkbox"/>	

Q⁸ Log Oil (cont'd)

Section V - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (<i>Acute and Chronic</i>): <u>Inhalation</u> : May cause irritation of mucous membranes. Inhaling large quantities may cause symptoms similar to ingestion: CNS depression, nausea, vomiting, headaches, and general muscle weakness. <u>Eye contact</u> : may cause serious irritation and tearing of the eyes. <u>Contact with the skin</u> : Prolonged contact may be irritating to the skin. <u>Ingestion</u> : Can cause CNS depression, nausea, vomiting, headaches, and general muscle weakness.			
Carcinogenicity:	NTP? No	IARC Monographs No?	OSHA Regulated? No
Medical Conditions Generally Aggravated by Exposure: Existing dermatitis or conjunctivitis			
Emergency and First Aid Procedures <u>Eyes</u> : Irrigate eyes with water for at least 15 to 20 minutes. Seek medical attention if irritation persists. <u>Skin</u> : Wash contaminated areas with plenty of water. Remove contaminated clothing and footwear and wash clothing before reuse. Discard footwear which cannot be decontaminated. Seek medical attention if irritation persists or if blistering is present. <u>Inhalation</u> : Get person out of contaminated area to fresh air. If breathing has stopped, resuscitate and administer oxygen if readily available. Seek medical attention immediately. <u>Ingestion</u> : Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep airways clear. Seek medical attention immediately.			

Section VI - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled <u>Spill Cleanup Procedures</u> : For small spill, recover any free liquid and pick up the remainder with granular clay or sand. For large spills: Eliminate any sources of ignition and dike the area to contain the spill. Recover all liquid possible by use of an explosion-proof sump pump other means. Re-use material if at all possible. Pick up the remainder using granular clay or sand. <u>Waste Disposal</u> : This product can be harmful to fish and other wildlife. Use in such a way that runoff does not contact streams or open waterways. Dispose of in accordance with all state, local and federal regulations for your area.
Precautions to Be taken in Handling and Storing Store in closed containers between 50° F – 120° F. Keep away from excessive heat. Store and use in well ventilated areas. Drum is not a pressure vessel; never use pressure to empty.

Section VII - Control Measures

Respiratory Protection (<i>Specify Type</i>) In confined spaces or other circumstances where adequate ventilation cannot be assured use NIOSH-approved respirator. If large quantities of mist are being generated a particle mask should be used.		
Ventilation	Local Exhaust Suitable for almost all applications	Special
	Mechanical (<i>General</i>)	Other
Protective Gloves Rubber or neoprene	Eye Protection Safety goggles & face shield where appropriate.	
Other Protective Clothing or Equipment Use of a rubber or neoprene apron is highly recommended if the product is being used in such a way that it might contact the skin		
Work/Hygienic Practices Normal Industrial Hygiene Practices. Keep out of the reach of children.		