



Hollow Heart® CB

Wood Preservative System

Liquid Internal Treatment

The Hollow Heart CB preservative system is available as a concentrate or ready-to-use (RTU) formulation. Both technologies are liquid, waterborne preservative systems developed to provide long-lasting protection against the actions of decay and wood destroying insects. Testing has demonstrated that the Hollow Heart CB formulations are effective accelerants for dazomet-based wood pole fumigants such as Osmose's OsmoFume® and DuraFume® II technologies.

The Hollow Heart CB preservative system incorporates both copper and boron, two effective and proven biocides for remedial wood pole protection. The liquid formulations provide flexibility of application including direct pour, pressure injection, brush, roller, or spray.

Hollow Heart CB - Concentrate offers shipping and packing efficiencies but requires dilution and mixing capabilities by the end-user. The concentrated product contains an anti-freeze additive that protects the product from slushing and hard-freeze. The concentrate is simply diluted with water according to the product label prior to application. When using in extreme cold conditions, an additive, such as Osmose's MELT®, can be incorporated to further prevent slushing and hard-freeze of the diluted product.

Hollow Heart CB - RTU is the most convenient because no dilution is required prior to application and can be used directly from the original bottle. As with the concentrated formula, the RTU contains an additive that effectively prevents slushing and hard-freeze of the product in cold conditions.

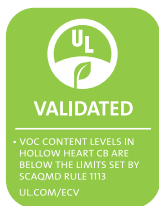


When to use Hollow Heart CB – Concentrate?

- ✓ Where larger volumes of product can be safely diluted, mixed, and transported from pole to pole
- ✓ Pole inspection and treatment as well as restoration projects where product is applied using pressure application to fill internal voids

When to use Hollow Heart CB – RTU?

- ✓ Field treatment of in-service wood utility poles, pole tops, bore or bolt holes, cuts, and mechanical abrasions
- ✓ For use as an accelerant for dazomet-based wood pole fumigants, including OsmoFume® and DuraFume® II technologies



Hollow Heart CB: The Environmentally Preferable Choice

Hollow Heart CB holds an Environmental Claim Validation from UL Environment. This distinguished validation confirms that Hollow Heart CB exhibits volatile organic compound (VOC) content below the limits defined by the South Coast Air Quality Management District (SCAQMD) for the wood preservative category under SCAQMD Rule 1113.

Hollow Heart CB vs. Traditional Copper Naphthenate

When compared to other liquid internal treatments, Hollow Heart CB offers the following advantage:

- ✓ **Superior efficacy**
 - Hollow Heart CB features cobioicides of copper and boron compared to a single biocide
 - Boron offers deeper penetration than copper alone which is primarily topical
- ✓ **Lower cost** (compared to other internal treatments)
- ✓ **Reduced exposure risk for improved worker safety**
 - Carries a signal word of "Warning" versus "Danger" for copper naphthenate products
 - Easy to clean up and virtually odor free
 - Improved applicator hygiene
- ✓ **Better environmental profile**
 - Water-based rather than solvent-based
 - Low volatile organic compound (VOC) emission
 - UL Environmental Claim Validation for VOC content

	Hollow Heart CB (dilute conc. or RTU)	Copper Naphthenate & Solvent Solution
Formulation	Waterborne	Oilborne
VOC Content (grams/liter)	< 100	> 750
UL Environment Validation	Yes	No
Meets SCAQMD Standards	Yes	No
Diesel Fuel/Solvent Free	Yes	No
Number of Active Ingredients	2	1
Easy Clean Up	Yes	No
Flammability (NFPA Code)	0 - not flammable	2 - flammable
Flash Point	212 F	104 F
Store Above 90 F	Yes	No
Copper as Cu	2.0%	2.0%
Boron as DOT	5.0%	NONE



ORDERING INFORMATION

Hollow Heart CB - Concentrate

is available in two sizes:

- 1-gallon jugs (4 per case)
- 5-gallon pails

Hollow Heart CB - RTU

is available in two sizes:

- 1-gallon jugs (4 per case)
- 16-ounce squeeze bottles (12 per case)

For more information on Hollow Heart CB or to place an order:

CALL 770.632.6700 Opt. 3 | EMAIL products@osmose.com