



DIALD® 15

Broad-spectrum microbicide

- Sanitizer with quick-kill capabilities
- Non-formaldehyde chemistry
- Effective over a broad pH range
- FDA approvals

DIALD 15 is a 15%-active, broad-spectrum microbicide that is effective in a wide range of applications. Its quick-killing mode of action allows this product to be used as a sanitizer where contamination and clean-up conditions need to be addressed. DIALD 15 can be used in commercial and recirculating cooling water systems, air washers, service water and auxiliary systems, wastewater systems, pigments, coating and filler slurries for paper and paperboard, oil well water fluids, drilling muds, and workover fluids. See the product label for complete use directions.

Methods of application

DIALD 15 is soluble in water. The dosage of DIALD 15 ranges from 0.03% to 0.30%, based on weight. Feed can be intermittent or continuous according to label instructions. DIALD 15 can be used alone or in combination with other Buckman nonoxidizing microbicides or oxidizing biocides.

DIALD 15 is compatible with a wide range of cooling water treatment products. The product is water soluble, does not contain formaldehyde, and can be formulated into products. However, it is recommended that the user conduct a kill-study and compatibility study to ensure that the optimum dosage level is present to control the bacterial population of interest. Please consult your Buckman representative for any application concerns.

For best results, the system to be treated should be cleaned prior to the application of DIALD 15. Intermittent addition of DIALD 15 at 300–600 ppm is recommended for use in water

systems (i.e. recirculating cooling water systems, air washers and heat transfer systems). Subsequent dosages are typically fed at 120–300 ppm.

Oil well water floods use 300–600 ppm DIALD 15 until control is achieved, then the dosage is typically added at 150 ppm, intermittently. Drilling muds and workover fluids require up to 3000 ppm. Pigment and filler slurries and water-based coatings use 300–1800 ppm DIALD 15 (3–18 lbs product per 10,000 lbs of slurry).

DIALD 15 is registered with the US Environmental Protection Agency (EPA Reg. No. 1448-23) and is allowed for use under US Food and Drug Administration regulations 21 CFR § 173.320, 175.105, 176.170, 176.180, and 176.300.

Packaging and handling

DIALD 15 is a liquid available in drums and intermediate bulk containers.

Undiluted DIALD 15 should not be stored in mild steel, galvanized steel, aluminum, tin or zinc due to possible reactivity. DIALD 15 has a relatively short half-life that can be further decreased by elevated temperatures or pH.

Refer to the Material Safety Data Sheet for suitable materials of construction for handling and storing this product.

Improper handling of this product can result in injury. Observe all precautions shown on the Product Label and in the Material Safety Data Sheet.

Typical product characteristics	
Active ingredient: glutaraldehyde	15%
Density at 20°C (68°F)	1.04 g/cm ³
Weight per US gallon	8.7 lb
pH	3.1 – 4.5
Freezing point	– 7°C (19.4°F)

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort.

E421W (09/10)