

# Enviro-Brom® 20L

EPA # 63838-11

## Non-Solvent (water based) DBNPA Suspension

**Description:** **Enviro-Brom 20L** is a stable, liquid, non-solvent suspension of Dibromo Nitrilopropionamide (DBNPA). **Enviro-Brom 20L's** *patent-pending* formulation technology is based on utilizing a saturated clear brine fluid carrier that prevents hydrolysis and subsequent degradation of the DBNPA molecule. The clear brine fluid composition includes a significant percentage of sodium bromide that will remain as a residual which may be secondarily activated by the addition of an oxidizer, long after DBNPA biocidal efficacy has been achieved.

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### Features / Benefits:

Many of **Enviro-Brom 20L's** biocidal efficacy benefits are derived from the active, DBNPA:

- Low dosage requirements
- Extremely fast antimicrobial action
- Broad Spectrum
- Rapid degradation to relatively non-toxic end-products (good environmental fate profile)
- Compatible and synergistic with chlorine treatment

Compatibility and synergy of **Enviro-Brom 20L** with chlorine is further enhanced by the availability of the bromide ion residual, which comes from a portion of the clear brine fluid carrier as well as from DBNPA degradation over time. **Enviro-Brom 20L** contains about twice the amount of bromide ion as conventional solvent-based products, which increases the effectiveness of normal oxidation programs.

**Enviro-Brom 20L** contains no expensive organic solvents – Greatly reduced BOD and COD levels, and no VOC's. **Enviro-Brom 20L** is a "green" alternative to other liquid DBNPA products.

**Enviro-Brom 20L** is a stable suspension, easily fed utilizing traditional peristaltic pumps or vacuum eductor feed technology. Although the product is 18.3% active DBNPA, the density is much higher than conventional solvent-based products and each drum contains more active ingredients!

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**Specifications:** Appearance ..... white-yellow suspension  
Assay ..... 18.2-18.5 % minimum  
pH .....3.2-3.9 (as-is)

**Compatibility:** At end-use concentrations, **Enviro-Brom 20L** is compatible with all commonly used materials of construction in used in industrial cooling water and pulp and paper systems.

As a neat product, **Enviro-Brom 20L** is not compatible with copper, brass, aluminum, carbon steel, stainless and galvanized steel.

Materials suitable for handling neat **Enviro-Brom 20L** are: PVC (polyvinyl chloride), HDPE (high density polyethylene), LDPE (low density polyethylene), Teflon®, Kynar®, Hypalon® , Polypropylene and all fiberglass reinforced plastics .

**Safety and Handling:** Store in the original, tightly-closed containers, in dry, dark and cool areas, away from energy sources. Wear chemical resistant gloves, eye protection, boots, and protective clothing.

**Container Information:** **Enviro-Brom 20L** is available in bulk, tote bins 2900#, 55 gallon 580# PE drums, and 5 gallon 55# PE pails.

**Shipping Classifications:**

<b>Domestic (DOT) Transport:</b>	Non-hazardous
<b>Marine shipping name:</b>	Environmentally hazardous substance, liquid n.o.s., UN 3082 (2.2 Dibromo-3-nitrilopropionamide)
Marine Hazard Class	9
Marine Packing Group	III