STABILIZED LIQUID BROMINE SOLUTIONS

(stabilized sodium hypobromite)

NALCO  \rightarrow \uparrow \rightarrow ALBEMARLE

ENVIRO TECH
(BromMax™)

Product Activities:
NALCO Process: 6.1% (as Cl₂) (from sodium bromide)
ALBEMARLE Process: 6.8% (as Cl₂) (from bromine-chloride)
**ENVIRO TECH’s BromMax™**: 10.2% (as Cl₂) (from sodium bromide)

* Patent No. 7,045,153

(the end products of all processes result in the same active ingredient)

Activity Comparisons:
Enviro Tech’s BromMax™ Process @ 10.2% (as Cl₂) is at least:
- 68% more concentrated than Nalco’s product
- 50% more concentrated than Albemarle’s product

On an ACTIVITY basis, BromMax™ is 41% higher than Nalco, and 33% more than Albemarle’s.

Total Inorganic Salts and Inerts: (Inerts & salts affect chemical and physical stability and add to cooling water TDS)
Enviro Tech << Albemarle < Nalco

Stability: Enviro Tech = Albemarle, but both >Nalco

Raw Material Costs: (approx.)
Enviro Tech > Albemarle > Nalco

EPA (Registerable) Ingredient Options for the Enviro Tech Process:
There are presently 6 optional pathways using prior-registered precursor ingredients

Bromate Formation (in finished product):
Enviro Tech = 0
Albemarle < Nalco (substantial)

Effectiveness Based on PPM Activity:
Enviro Tech = Nalco = Albemarle