

STABROM[®] Plus Biocide

Frequently Asked Regulatory Questions



STABROM Plus biocide is a single-feed, ready-to-use liquid product for industrial water treatment applications. Product activity is nominally 13.2% as BrCl - equivalent to approximately 18% as Br₂ or 8% as Cl₂.

STABROM Plus biocide is based on stabilized bromine chloride technology just like STABROM[®] 909 biocide but it contains a higher percent of active ingredient. The reduced water content relative to STABROM 909 biocide provides a significant benefit in the transport, storage, and application of the product.

Where can STABROM Plus biocide be used?

STABROM Plus biocide is EPA-registered (EPA registration number 3377-78) for use in industrial water treatment applications such as commercial and industrial recirculating cooling water systems, industrial once-through cooling water systems, pulp and paper mills, wastewater, non-food process water systems, decorative fountains, air washers and food, beverage and industrial process pasteurizers.

This product is EPA-registered to control biofilm deposits on pumps, pipework, heat exchangers and filters associated with industrial water treatment systems.

Can STABROM Plus biocide be used in pulp and paper applications with direct food contact?

No. STABROM Plus biocide is not cleared for use under 21 CFR 176.300 and therefore it is not approved for use as a slimicide in manufacturing paper and paperboard that may contact food.

Does STABROM Plus biocide meet kosher specifications?

To the best of our knowledge, STABROM Plus biocide is manufactured completely from mineral and synthetic components and no products of animal origin are formulated into the product or used in or on the production system.

Please note that this product has not been certified by a rabbi.

Where is STABROM Plus biocide registered?

Please contact your Albemarle representative for detailed information on state registrations.

Does this product contain any Priority Pollutant listed in 40 CFR part 401.15?

No.

Does this product have a VOC as defined by 40 CFR 51.100?

No.

Is STABROM Plus biocide biodegradable?

Biodegradability tests are performed on organic chemicals. STABROM Plus biocide does not contain any organic matter. Therefore, a biodegradability test is not appropriate. This product is an inorganic biocide that rapidly hydrolyzes to form HOBr, the active agent in industrial water systems. Hydrolysis is one of the most common reactions controlling abiotic degradation.

Does this product have any component that is listed as a CERCLA Hazardous Substance under 40 CFR 302.4?

Yes – alkali metal base @ 5 wt% maximum.

What is the reportable quantity (RQ) of this product under 40 CFR 302.4?

The RQ of STABROM Plus biocide is 20,000 lbs minimum based on the RQ of the alkali metal base.

Does this product contain carcinogens or reproductive toxins listed under California Proposition 65?

No.

Is this product or any component reportable under Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as the Emergency Planning and Community Right-to-know Act or EPCRA)?

SARA 302 (40 CFR 355)	No
SARA 311/312 (40 CFR 370)	Yes (acute health)
SARA 313 (40 CFR 372 & amendments)	No

Does this product contain components requiring disclosure by the various state right-to-know regulations?

Yes. However, containers affixed with labels pursuant to the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) are totally exempt from the NJ and PA R-T-K labeling requirements.

Is this product regulated under the Occupational Safety and Health Administration (OSHA) Process Safety Management (PSM) Standard (29 CFR 1910.119)?

No. The PSM regulation does not apply to this product. There are no chemical components in the product that appear in OSHA 1910.119 Appendix A, and the product is not flammable.

Does this product contain any substance that is listed under EPA's Accidental Release Prevention program (40 CFR 68.130)?

None of STABROM Plus biocide components appear on this list.

Does this product require a Risk Management Plan?

No. STABROM Plus biocide does not require a Risk Management Plan (RMP). STABROM Plus biocide contains only traces of elemental chlorine and bromine; therefore, a RMP is not required.

Can cooling water containing STABROM Plus biocide be discharged to a National Pollutant Discharge Elimination System (NPDES) outfall?

Generally yes, but the site NPDES permit as well as state and federal regulations need to be consulted to make sure requirements are met.



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