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PRODUCT & TECHNICAL DATA

MBN-L15MJ-(SUGAR)

TYPE – MICROBIOCIDES-NON-OXIDIZING

MBN-L15MJ-SUGAR is a multifunctional non-oxidizing biocide blend based on a specialized pentanediol to inhibit the proliferation of micro-organisms systems in Cane Sugar and Sugar Beet Mills including treatment at the diffuser, transport water pumps, weir box or diffuser feed water pump. **MBN-L15MJ-SUGAR** is compatible with hard waters with anionic additives and halogens. It is also effective in process cooling systems, process pipework and vessels.

TYPICAL PROPERTIES

Appearance	:	Clear to Opaque Water White Liquid
Solubility in Water	:	Complete
pH neat soln. at 25°C	:	3.0 - 5.5
Specific Gravity at 25°C	:	1.00 - 1.05

DIFFUSERS & MIXED JUICE – Dosing Strategy

The objective is to control bacterial counts at less than 10^3 Colony Forming Units – CFU per ml of process water. Dosage range will vary depending on whether dosage is continuous or slug-dosed to preserve a large volume of mixed juice. Bacterial contamination will determine the dosage levels required. Nominal continuous dosage may range between 2-10ppm where slug dosing to bulk storage would range from 50-250mg/l. Maximum acceptable dosage to comply with FDA certification – not to exceed 3000mg/l as product. Bacterial Count Techniques using dip slides or similar should be implemented for adequate control.



Responsible Care
OUR COMMITMENT TO SUSTAINABILITY

The data contained herein is believed to be accurate and reliable. However, neither the abovenamed supplier nor any of its subsidiaries assume any legal liability whatsoever for the accuracy or completeness of information contained herein. Users should undertake sufficient verification and testing to determine the suitability for their own purposes of any product or information contained herein. Recommendations are given in good faith but without warranty and subject to the exclusion of any liability.



The active ingredients applied conform to FDA173.321 section 6 – Chemicals for controlling micro-organisms in cane sugar and beet sugar mills – Title 21- Food & Drugs – Chapter 1 – FDA Department of Health and Human Services – Subchapter – Food for Human Consumption – Part 173 – secondary direct food additives permitted in food for human consumption – Subpart D – Specific Usage Additives– not to exceed 250ppm as active ingredient. (refer official FDA documentation).

OTHER POSSIBLE APPLICATIONS

CLEANING IN PLACE – STERILIZATION PROCEDURES

MBN-L15MJ-SUGAR can be utilized for CIP processes. For this purpose 0.1-0.3% of product should be adequately circulated or sprayed within the pipework and/or surfaces to be treated after utilizing the procedures pertaining to the acid & alkali washes with ROC HA & HB range of cleaning materials.

MBN-L15MJ-SUGAR should not be used as a biocide on Reverse Osmosis membranes.

After suitable sterilization, a hot/clean water rinse is necessary.

STORAGE AND HANDLING

MBN-L15MJ-SUGAR can be stored for up to 24 months from the date of manufacture, in its original, sealed packaging, at room temperature in a dry area. Containers must be kept undercover and out of direct sunlight. This product can be safely stored in plastic type holding tanks designed to manage the specific gravity listed. **MBN-L15MJ-SUGAR** must be protected from freezing. Protective clothing such as gloves and goggles should be worn when handling **MBN-L15MJ-SUGAR**.

HEALTH AND SAFETY

MBN-L15MJ-SUGAR is a biocide and designed to eradicate bacteriological species. Eye contact or skin contact will cause severe irritation. Should contact occur, hands should be washed with soap and water and eyes well irrigated for fifteen minutes. Ingestion will induce vomiting and should be treated symptomatically. Seek medical attention immediately. Spillages must be contained to allow for safe disposal. Avoid direct flushing to storm water drain. Please refer to product SAFETY DATA.



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