DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS
B.I.O. Blast 500 should be added to the paper making system at a point of uniform mixing such as the wetend, brooks chest pump, weir-all tank, or white-water lagoon.
Initial Dose: When the system is noticeably contaminated, add 0.5 to 3.0 lbs. of B.I.O. Blast 500 per ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavy fouled systems should be treated prior to initial treatment.
Subsequent Dose: When microbial control is evident, add 0.3 to 0.5 lbs. of B.I.O. Blast 500 per ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD
(for use in feed and non-feed contact pigments and filler slurries)
Use from 0.1 to 0.5 lbs. of B.I.O. Blast 500 per 1,000 lbs. of dry powder to produce a concentration of 0.1 to 0.5 lbs. of product (based on slurry solids) in the mixed slurry.

WATER BASED COATINGS FOR PAPER AND PAPERBOARD
NOTE: For use in non-feed contact coatings only.
Use from 0.1 to 0.5 lbs. of B.I.O. Blast 500 per 1,000 lbs. of dry powder to produce a concentration of 0.1 to 0.5 lbs. of product as noted above in the mixed slurry.

AIR WASHERS AND INDUSTRIAL SCOURING SYSTEMS/RECIRCULATING COOLING AND PROCESS WATER SYSTEMS
This product may be used on any industrial air washers and air washer systems which have mist eliminators. B.I.O. Blast 500 should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as the basin area.
Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shocked with B.I.O. Blast 500. Under these conditions, biofilms should be discontinued for up to 24 hours. B.I.O. Blast 500 can be used in industrial process water systems that contain activated carbon and/or non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD
Initial Dose: When the system is noticeably fouled, add 1.1 to 2.7 lbs. of B.I.O. Blast 500 per 1,000 gals. of water in the system or 0.1 to 0.4 lbs. of B.I.O. Blast 500 per 1,000 lbs. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.4 to 0.7 lbs. of B.I.O. Blast 500 per 1,000 gals. of water in the system weekly or 0.08 to 0.1 lbs. of B.I.O. Blast 500 per 1,000 lbs. of water in the system weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD
Initial Dose: When the system is noticeably fouled, add 1.1 to 2.7 lbs. of B.I.O. Blast 500 per 1,000 gals. of water in the system or 0.1 to 0.4 lbs. of B.I.O. Blast 500 per 1,000 lbs. of water in the system. Repeat until control is achieved.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 0.5 to 1.1 lbs. of B.I.O. Blast 500 per 1,000 gals. of water in the system per day or 0.08 to 0.1 lbs. of B.I.O. Blast 500 per 1,000 lbs. of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

HEAT TRANSFER SYSTEMS
(Boilers, Condensers, Dairy Heating Systems, Hydroelectric Generators, and Pulp and Paper Mills)
B.I.O. Blast 500 must be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing, such as the feed tank area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

AQUEOUS METALWORKING FLUIDS
B.I.O. Blast 500 should be added to a metalworking fluid system at a point of uniform mixing such as the fuel collection area. Additions may be made intermittently (SLUG DOSE) as indicated above for one to two weeks or less.
Initial Dose: When the system is noticeably fouled, add 1.0 to 5.0 lbs. of B.I.O. Blast 500 per 10,000 gals. of metalworking fluid to the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 0.7 to 0.3 lbs. of B.I.O. Blast 500 per 10,000 gals. of metalworking fluid to the system weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

STORAGE AND HANDLING
B.I.O. Blast 500 is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin and zinc. It can be stored and handled in baked phenolic-steel, polyethylene, stainless steel, or ventilated epoxy-coated equipment. The product keeps at about 4°F (24°C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided for short storage times (up to about 1 month). Temperatures of about 100°F (38°C) can be tolerated, but the preferred maximum storage temperature is about 80°F (26°C).
A stainless steel centrifugal pump is suggested for transfer service. Spray-azard stainless steel with Teflon®. Paint is suitable for tanks and storage. Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (N95/KN95 approved air-purifying respirator equipped with an organic vapor cartridge) may be required.

STORAGE AND DISPOSAL
PECTIC DISPOSAL
Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixer, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or your Environmental Protection Agency (EPA) office for guidance.

CONTAINER DISPOSAL:
Metal Containers or Plastic Containers:
Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities.
Plastic Containers: May be incinerated, or if allowed by state and local authorities, by burning if burned, stay out of smoke.

Active Ingredient: Glutamic acid

Net Ingredients: 50.0%

Total: 50.0%

B.I.O. Blast 500

A HIGHLY EFFECTIVE MICROBIOCIDAL IN SOLUTION CONTROLLING BACTERIA INCLUDING SLIME- FORMING BACTERIA, SULFATE-REDUCING BACTERIA, FUNGI (YEAST AND MOLDS), AND ALGAE. FOR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS, RECIIRCULATING COOLING AND PROCESS WATER SYSTEMS, HEAT TRANSFER SYSTEMS, PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS, PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD, FUNCTIONAL FLUIDS AND LUBRICATIONS, AND METALWORKING FLUIDS AND FOR USE BY MANUFACTURERS AS A PRESERVATIVE IN INDUSTRIAL, INSTITUTIONAL, AND CONSUMER PROCESSES AND PRODUCTS.

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID
If swallowed:
• Call a poison control center or a doctor immediately for treatment advice.

DO NOT INDUCE VOMITING.
• Do not give anything by mouth.

If in eyes:
• Wash immediately and continuously with flowing water for at least 30 minutes.
• Remove contact lenses (after the first 4 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.
• Call a poison control center or a doctor immediately for treatment advice.

If on skin or clothing:
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 minutes.
• Call a poison control center or doctor for treatment advice.

If inhaled:
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
• Call a poison control center or a doctor for further treatment advice.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

IN CASE OF AN EMERGENCY, dispensing this or any ingredient in this product, call 800-851-7148.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin burns. Harshness if inhaled. May be fatal if inhaled. Harshness if swallowed. Harmful if absorbed through the skin. Protracted or frequently repeated skin contact may cause allergic reactions in some persons. Causes dermatic signs and symptoms in hyper-reactive individuals. Do not let in eyes, on skin, or clothing. Avoid breathing vapor. Do not swallow. Wear goggles, protective clothing, and rubber or latex gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Net Contents: 18.9 L (5 U.S. Gal.)

Product No.: 11677100

Manufactured by: JohnsonDiversey Inc., Chicago, IL 60677 USA

Date Code: 07/17/2014

464-704-3635

50460
ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

BEFORE HANDLING OR USING THIS PRODUCT, SEE YOUR EMPLOYER AND READ CURRENT MATERIAL SAFETY DATA SHEET.

NOTICE - Do Not Ship or Store with Food, Feeds, Drugs, or Clothing.

LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

CORROSIVE
LIQUID, ACIDIC,
ORGANIC, N.O.S.,
(CONTAINS GLUTARALDEHYDE),
UN3265

EPA Registration No. 464-704-3035
EPA Establishment No 10353-WW-2(b), 464-WW-7(b)
(a) 5 gallon pails in pallets, all drums, bulk
(b) pental 5 gallon pails only.

Made in USA

SKU #: 11677100

LOT #: 10066326300920007A907961 NAIP