Buckman
BUSAN 77
BUSAN is a trademark of Buckman Laboratories, Inc.

ACTIVE INGREDIENT(S)
Polyethyleneimine/ethylenediamine/diethylenetriamine/dimethylamine/diethyleneamidine/ethylene diamine 60%

INERT INGREDIENTS
Diethyleneimine 40%

TOTAL
100%

KEEP OUT OF REACH OF CHILDREN CAUTION

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

INDUSTRIAL FRESH WATER SYSTEMS: BUSAN 77 is used to control the growth of algae, bacteria, fungi and inorganic matter in industrial cooling water and industrial process water systems; control bacteria in municipal and industrial wastewater plants; and to inhibit the growth of bacteria that cause depreciation and corrosion in such systems.

WATER COOLING SYSTEMS: When used in BUSAN 77 in water cooling towers, clean the systems to remove algae growth, biofilm, and other contaminants. This is followed by treatment of the tower with BUSAN 77 to obtain a water treatment chemical in the tower. Clean the system to remove algae and biofilm, and then treat the system with BUSAN 77 to obtain a water treatment chemical in the tower.

MOLLUSK CONTROL: To control mollusks such as Cockles, Oysters, and other mollusks, BUSAN 77 is used to control the growth of biofilm, algae, and other contaminants in marine environments.

INDUSTRIAL AIR WASHING SYSTEMS: BUSAN 77 is used to control biofilm in industrial air washing systems that maintain effective moisture control.

SWIMMING POOLS: BUSAN 77 is effective in controlling algae in swimming pools and other similar systems.

Pesticide disposal: Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture, or rinse water is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

To clean the container before refilling or disposal, use a pressure wash as follows: Empty the remaining contents into an approved equipment or into a mix tank. Use a pressure-wash system that rinses all interior sides with water and that is rated at 4000 psi and 100°F. Pressure wash the container for a length of time that ensures that a minimum 25% of container volume is clean. Remove the container from the pressure-wash system, ensure that the container valve is left open for continuous draining. Collect the rinse water in an approved equipment or into a mix tank or store rinse water for later use or disposal. Allow container to drain for 10 minutes after pressure wash is completed.

**Specimen Label**
Manufactured by
Buckman Laboratories, Inc.
1902 Collins Avenue, Suite 200, Ft. Lauderdale, Florida 33324 USA
(954) 961-1700

EPA Est. No. 1448-TN-1
EPA Reg. No. 1448-42
Product Weight 9.6 lbs./gal. 1.15 kg/l
Net contents are marked on the container.

HMIS/OPCA Ratings
Health 1 Flammability 1 Readvity 0
Last Revision 7/14/2011

New 01-26-2012
**Buckman BUSAN 77 is a registered trademark.**

**ACTIVE INGREDIENT(S)**
- Polyethyleneimine (dimethylamine) (dichloride).......................... 60.0%
- Polyethyleneimine (dimethylamine) (ethylene)...................... 40.0%
- TOTAL........................................ 100.0%

**KEEP OUT OF REACH OF CHILDREN CAUTION**

**FIRST AID**
- **If in Eyes** - Hold open eye and rinse slowly with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- **If on Skin** - Wash thoroughly with water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash clothing before reuse.
- **If swallowed** - Give small amounts of water. If ingestion is suspected, call a Poison Control Center or doctor for further treatment advice.
- **If inhaled** - Move person to fresh air.

**HOT LINE NUMBER**
Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 800-822-2722 for emergency medical treatment information.

**Precautionary Statements**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. Wear chemical-resistant gloves. Wear protective clothing when handling with aerosols. Wash hands before handling material. Take all appropriate precautions to prevent release to the environment. Do not store in or around food and water supplies. Store in original container in a cool, dry place.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish, aquatic organisms and clams. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless proper treatment or disposal 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.

**Directions for Use**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**INDUSTRIAL FRESH WATER SYSTEMS:** BUSAN 77 is used to control the growth of algae, bacteria, fungi, and inorganic impurities in industrial cooling water and industrial process waters. It is used to control algae, bacteria, fungi, and inorganic impurities in industrial cooling water and industrial process waters.

**WATER COOLING SYSTEMS:**梭 BUSAN 77 is used in water cooling towers, closed systems to remove algae growth, microbiological slime, and other deposits. It is used to control algae, bacteria, fungi, and inorganic impurities in industrial cooling water and industrial process waters.

**AIR WASHING SYSTEMS:** BUSAN 77 is used to control bacteria in industrial air washing systems that maintain effective mist eliminators. It is used to control bacteria in industrial air washing systems that maintain effective mist eliminators.

**SWIMMING POOLS, EASTER ISLE, HOT TUBS:** BUSAN 77 is used in swimming pools, heated swimming pools, easter isles, whirlpools, and hot tubs. Clean those systems with heavy growth of algae prior to using BUSAN 77.

**DECORATIVE FOUNTAINS:** BUSAN 77 is used in decorative fountains that do not contain fish. It is used to control bacteria, fungi, and inorganic impurities in decorative fountains.

**DECORATIVE FOUNTAINS:** BUSAN 77 is used in decorative fountains that do not contain fish. It is used to control bacteria, fungi, and inorganic impurities in decorative fountains.

**Storage and Disposal**
Do not contaminate water, food, or feed by storage or disposal. Do not ship with Pesticides, Drugs, or Clothing.

**Pesticide Disposal:** Pesticide wastes must be disposed of in a hazardous waste disposal facility. Do not burn the container or any residue.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse this container for any other purpose. Clean the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Clean the container prior to refilling or disposal. Use a triple rinse wash as follows: Empty the remaining contents from this container into an application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously. Pour or pump rinse into application equipment or a mix tank. Do not use or dispose. Repeat the rinsing procedure two or more times.

**Specimen Label***
Manufactured by Buckman Laboratories, Inc.
1126 North McLain Blvd.
Tulsa, OK 74126
Phone: (918) 278-0330 or 1-800-292-9026

EPA Est. No. 1448-TN-1
EPA Reg. No. 1448-42
Product Weight 9.6 lbs./gal, 1.15 kg/L
Net contents are marked on the container.

**HMIS/NPGA Ratings**
Health 1 Flammability 1 Reactivity 0

**Last Revision 7/14/2011**

**Preparation Last Used Equal To 50 Gallons**

**Preparation Last Used Equal To 50 Gallons**

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**New 01-26-2012**

**New 01-26-2012**

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**New 01-26-2012**

**New 01-26-2012**
**PRECAUTIONARY STATEMENTS**

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid breathing vapor, avoid contact with skin, eyes, or clothing. Wear chemical-resistant gloves. Wash gloves and any other contaminated clothing with soap and water after handling. Drink plenty of water, using tobacco, or using the toilet. Remove and wash clothing before reuse.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish, aquatic organisms and clams. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other 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 sewers without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Do not ship with Food, Drugs, or Clothing.

**PESTICIDE STORAGE**: Do not stack more than 6 drums or 16 pails high. Leaking or damaged drums should be placed in overpack drums for disposal. In case of spills, use sawdust or sand to absorb the spilled pesticide and disposed of in a sanitary landfill. Keep container closed when not in use.

**PESTICIDE DISPOSAL**: Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture, or rinsates is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING**: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Clean the container with full water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinse into application equipment or a mix tank or store rinse for later use or disposal. Repeat this procedure two more times.

Then offer for recycling if available or hazardous waste disposal is required. Do not dispose of in a sanitary landfill, or by any method prohibited by law. If in doubt, contact your government’s waste disposal authorities for assistance.

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**SPECIFIC LABEL***

Manufactured by

Buckman Laboratories, Inc.

12330 North McLean Blvd.

USA

(903) 279-0330 or 1-800-262-5262

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**EPA Est. No.**

1448-TN-1

**EPA Reg. No.**

1448-42

**Product Weight**

9.6 lbs/gal, 1.15 KG

**Net contents are marked on the container.**

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**HMIS/NPCA Ratings**

Health 1 Flammability 1 Reactivity 0

Last Revision 7/25/2011

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**Nonflammable** Less than 5 Gallon
**Directions for Use**

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- BUSAN 77 is used to control algae, bacteria, fungi and molds in industrial cooling water and industrial process water systems; control bacteria in industrial process water systems: control bacteria that cause degradation of cutting fluids.

**INDUSTRIAL FRESH WATER SYSTEMS:** Use BUSAN 77 to control the growth of algae, bacteria, fungi and mold in cooling water and process water systems; control bacteria in industrial process water systems; control bacteria that cause degradation of cutting fluids.

**WATER COOLING SYSTEMS:** Use BUSAN 77 in water cooling towers, closed loops to control algae, bacterial, and fungal growth in the cooling loops, and in industrial closed loops. BUSAN 77 is used in water cooling systems to control the growth of algae, bacteria, and fungi, and to reduce biofouling in cooling towers and industrial closed loops.

**WATER TREATMENT SYSTEMS:** Use BUSAN 77 in water treatment systems, including water treatment plants and industrial processes, to control the growth of algae, bacteria, and fungi, and to reduce biofouling in water treatment systems.

**ENERGY SOURCES:** Use BUSAN 77 in energy sources, including heat exchangers and industrial boilers, to control the growth of algae, bacteria, and fungi, and to reduce biofouling in energy sources.

**HAZARDS TO HUMAN AND DOMESTIC ANIMALS**

- **CAUTION:** Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin.
- Avoid breath retarding, avoid contact with skin, eyes, or clothing. Wear chemical-resistant overalls, leather gloves, goggles, and rubber boots.
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash clothing before reuse.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish, aquatic organisms and birds. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other 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 previously not notified by the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**Precautionary Statements**

**HAZARD:** Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin.

- Avoid breath retarding, avoid contact with skin, eyes, or clothing. Wear chemical-resistant overalls, leather gloves, goggles, and rubber boots.
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash clothing before reuse.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish, aquatic organisms and birds. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other 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 previously not notified by the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**Storage and Disposal**

- Do not contaminate water, food, or feed by storage or disposal. Do not ship with Food, Feed, Drugs, or Cosmetics.

**Pesticide Storage:** Keep container closed when not in use. In case of spill, clean up with absorbent material to avoid spilling the pesticide.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not renew or refill this container. Tripper rinse container (or equivalent) promptly after emptying.

**Termination of Labeling:** Tripper rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsates into application equipment or a mix tank or store rinsates for the later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Then offer for recycling or reconditioning, if appropriate, or by other procedures if approved by state and local authorities.

**Specimen Label**

- Manufactured by: Buckman Laboratories, Inc., 1256 North Milam, San Antonio, TX 78201, (907) 278-0330 or 1-800-282-5058.

- EPA Est. No. 1448-TN-1
- EPA Reg. No. 1448-42
- Product Weight: 9.6 lbs/gal, 1.15 kg/L.

- Net contents are marked on the container.

- HMIS/PCA Ratings:
  - Health 1 F 1
  - Flammability 1
  - Reactivity 0

- Last Revision: 3/22/2011

- Not applicable less than 0.1 g/L of solution.