

1448-103

9/12/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON D C 20460

OFFICE OF
PREVENTION PESTICIDES
AND TOXIC SUBSTANCES

Ms Crystal W Brown
Regulatory Specialist for,
Buckman Laboratories, Inc
1256 North McLean Blvd
Memphis, TN 38108-1241

SEP 12 2012

Subject Busan 1058
EPA Registration Number 1448-103
Your Amendment Dated August 8, 2012
EPA Received Date August 13, 2012

The amendment referred to above, submitted in connection with under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act, FIFRA, as amended, to add Oil and Gas pipeline and Tank Maintenance uses to the product labeling, is acceptable

Submit and/or cite all data required for registration /reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e) Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions

If you have questions concerning this letter, please contact Karen M Leavy at (703)-308-6237

Sincerely,

A handwritten signature in black ink, which appears to read "M. Swindell", is positioned above the typed name.

Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobials Division(7510P)

BUSAN 1058

BUSAN is a registered trademark

ACTIVE INGREDIENT(S)

Tetrahydro 3 5 dimethyl 2H 1 3 5 thiadiazine 2 thione

INERT INGREDIENTS

TOTAL

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ACCEPTED
with COMMENTS
in EPA Letter Dated.

24 0%
76 0%
100 0%

SEP 12 2012
Under the Federal Insecticide
Fungicide and Rodenticide Act as
amended for the pesticide
registered under EPA Reg No 1448-103

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID	
If in Eyes	<ul style="list-style-type: none">- Hold eye open and rinse slowly and gently with water for 15-20 minutes- Remove contact lenses if present after the first 5 minutes then continue rinsing eye- Call a poison control center or doctor for further treatment advice
If on Skin Clothes	<ul style="list-style-type: none">- 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 Swallowed	<ul style="list-style-type: none">- Call poison control center or doctor immediately for treatment advice- Have person sip a glass of water if able to swallow- Do not induce vomiting unless told to do so by the poison control center or doctor- Do not give anything by mouth to an unconscious person
If Inhaled	<ul style="list-style-type: none">- Move person to fresh air- If person is not breathing call 911 or an ambulance then give artificial respiration preferably by mouth to-mouth if possible- Call a poison control center or doctor for further treatment advice
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 901-767-2722 for emergency medical treatment information	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage	

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER Corrosive Causes severe eye damage and skin irritation Do not get in eyes, on skin, or on clothing Wear goggles or face shield and rubber gloves when handling Harmful if swallowed Avoid contamination of food May cause skin sensitization

ENVIRONMENTAL HAZARDS This pesticide is toxic to fish 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 Systems (NPDES) permit and the permitting authority has been notified in writing prior to discharge Do not discharge effluent containing this product to sewage systems without previously notifying the local sewage treatment plant authority For guidance contact your State Water Board or Regional Office of the EPA

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Directions for Use SEP 12 2002 1448-103

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

PAPER MILL SLIME CONTROL FOR THE CONTROL OF SLIME FORMING AND/OR SPOILAGE BACTERIA BUSAN 1058 is added at a point in the system (raw stock chest, beater chest and/or refiner chest, or machine chest-wirepit) where it will be uniformly mixed. Application may be continuous or intermittent for a certain number of hours/day or per shift, depending upon system characteristics. Add 5 to 20 fluid ounces of BUSAN 1058 per ton of paper produced.
INTERMITTENT FEED METHOD Apply 12 to 20 fluid ounces of BUSAN 1058 per ton (dry basis) of pulp or paper for 2 hours every 8 hours. Badly fouled process systems must be cleaned before initial treatment.
CONTINUOUS FEED METHOD Apply 5 to 15 fluid ounces of BUSAN 1058 per ton (dry basis) of pulp or paper produced on a continuous basis. Badly fouled process systems must be cleaned before initial treatment.

OILFIELD DRILLING MUDS AND WORKOVER OR COMPLETION FLUIDS FOR CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA Determine the total volume of the circulating system. Calculate the number of gallons of BUSAN 1058 needed to produce a concentration of 2 080 ppm (0.73 lb/bbl) of BUSAN 1058 in the drilling mud circulating system. For example, 75 gallons of BUSAN 1058 per 1000 barrels of drilling fluid will produce the proper concentration. For best results add BUSAN 1058 in a thin stream to the mud pit while the drilling fluid is circulating. As the total volume increases, due to greater well depth, add additional BUSAN 1058 to maintain the proper concentration. Because of the wide variation in drilling mud composition and bacterial contamination, greater or lesser amounts of the BUSAN 1058 may be prescribed.

OILFIELD WATER TREATMENT AND WATER FLOODS FOR CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA Calculate the total volume of water to be treated. Using this volume, calculate the number of gallons of BUSAN 1058 needed to produce concentration of approximately 2500 ppm BUSAN 1058. For example, 2.1 gallons of BUSAN 1058 per each 1000 gallons of total volume will produce this dilution. 350 ppm BUSAN 1058 added each week is recommended to maintain bacterial control. This may be accomplished by adding 0.30 gallons of BUSAN 1058 to each 1000 gallons of total volume. Because of the wide variation in waters found in the oil field, greater or lesser amounts of BUSAN 1058 may be required in a particular location.

FOR THE PRESERVATION OF CLAY SLURRIES, ADHESIVES, COATINGS AND HIGH VISCOSITY SUSPENSIONS For preservation of slurries and high viscosity suspensions BUSAN 1058 should be added at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. Add BUSAN 1058 at use levels of 0.04-0.45%, by weight, based on the total formulation in slurries of starch, clay, calcium carbonate, or titanium dioxide, paper coatings, high viscosity suspensions (e.g., polymers, silica-polymer combinations), polyvinyl alcohol/polyvinyl acetate-based adhesives, starch-based adhesives, dextrin-based adhesives. The exact amount of material to be added for the preservation of any given formulation will depend on the components and local storage time and conditions. Dosage rates should be determined by actual tests.

RECIRCULATING COOLING WATER SYSTEMS FOR CONTROL OF ALGAE, FUNGI AND SLIME FORMING BACTERIA Dosages for recirculating cooling water systems will depend on the condition of the system prior to treatment initiation. Systems which are heavily contaminated should be cleaned first. Apply BUSAN 1058 to the cleaned system when growth is first noticed according to the following schedule.
INITIAL DOSE Apply 3.25 - 6.5 fluid ounces (30 - 60 ppm) of BUSAN 1058 per each 1000 gallons of water in the system. This dose may be a continuous treatment or applied once, twice or three times weekly or as required to control the growth of slime forming organisms.
SUBSEQUENT DOSAGE When microbial control is evident add 0.5 - 3.25 fluid ounces (5 - 30 ppm) of BUSAN 1058 per 1000 gallons of water in the system as a continuous treatment daily or every three days or as required to maintain control.

OIL AND GAS PIPELINE AND TANK MAINTENANCE For use in water bottoms in crude and refined hydrocarbon storage tanks, piping and transportation systems. Inject BUSAN 1058 directly into the water bottom or pipeline. Apply BUSAN 1058 to achieve 350-500 ppm in the aqueous phase. Dose depends on the volume of crude or refined oil and the expected water fraction.

PIPELINE / VESSEL HYDROTESTING For control of bacteria. Add 350-500 ppm of BUSAN 1058 to the aqueous phase of hydrotest pipelines or vessels depending on water quality and length of time the equipment remains idle.

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Under the Federal Insecticide
Fungicide and Rodenticide Act as
amended for the pesticide
registered under EPA Reg No 144-103

Storage and Disposal

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Protect from freezing and temperatures in excess of 140°F Keep container closed when not in use If contents are spilled or leaked due to container damage collect liquid with absorbent material and dispose of in accordance with local state and federal pesticide disposal regulations

PESTICIDE DISPOSAL Pesticide wastes are acutely hazardous Improper disposal of excess pesticide spray mixture 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 Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance

CONTAINER DISPOSAL

(Text for all nonrefillable containers)

Nonrefillable container Do not reuse or refill this container Offer for recycling if available Triple rinse container (or equivalent) promptly after emptying

{Liquid residue removal statement for nonrefillable containers with capacity of 5 gals or less}

Triple 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 ¼ full with water and recap Shake for 10 seconds Pour rinsate into application equipment or a mix tank or store rinsate for the later use or disposal Drain for 10 seconds after the flow begins to drip Repeat this procedure two more times

{Liquid residue removal statement for nonrefillable containers with capacity of >5 gals}

Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container ¼ full with 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 rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times

(Text for all nonrefillable containers)

Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or if allowed by state and local authorities by burning If burned stay out of smoke

{Text for refillable containers}

Refillable container Refill this container with pesticide only Do not reuse this container for any other purpose Cleaning the container before final disposal is the responsibility of the person disposing of the container Cleaning before refilling is the responsibility of the refiller

For containers larger than 55 gallons

To clean the container prior to refilling or disposal use a pressure wash as follows Empty the remaining contents into application equipment or a mix tank Use a pressure wash system that rinses all interior sides with water and that is rated at >40 psi and >120°F Pressure wash the container for a length of time that ensures that a minimum 25% of the container volume of water is used During the pressure wash ensure that the container valve is left open for continuous draining Collect the rinsate and empty into application equipment or a mix tank or store rinsate for later use or disposal Allow container to drain for 10 minutes after pressure wash is completed

For containers 55 gallons and smaller

To clean the container prior to refilling or disposal use a triple rinse wash as follows Empty the remaining contents from this container into application equipment or a mix tank Fill the container about 10 percent full with water Agitate vigorously Pour or pump rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this rinsing procedure two more times

Do not discharge rinsate containing this product 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 rinsate containing this product to sewer systems without prior approval from the local sewage treatment plant authority For guidance contact your State Water Board or Regional Office of the EPA

Batch code _____

Manufactured by

Buckman Laboratories, Inc

1256 North McLean Blvd, Memphis, Tennessee 38108, USA

(901) 278-0330 or 1-800-282-5626

EPA Est No 1448-TN-1

EPA Reg No 1448-103

Product Weight 9.6 lbs/gal 1.15 kg/l

Net contents are marked on the container

HMIS / NPCA Ratings

Health 3 Flammability 1 Reactivity 1

Last Revision

7/27/2012