

1448-102 PM 21 1063

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460  <b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREГИSTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	EPA REGISTRATION NO. 1448-102	DATE OF ISSUANCE AUG 28 1986
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT <u>Busan 1071</u>	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

LUCERNE Laboratories, Inc. 1256 North McLean Boulevard Memphis, TN 38103	$\begin{array}{r} 160 \quad 175380 \\ \hline 18 \quad \quad 1 \end{array}$
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**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/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.

2. Make the labeling changes and provide the information cited below before you release this product for shipment:

a. Add the phrase "EPA Registration No. 1448-102."

b.

c. Under sapstain and mold control, the rates given as kg/100L are not equivalent to those given in terms of pounds/100 gallons. Make the appropriate change.

d. The directions for use in coating are incomplete. The label should more fully indicate the conditions that will determine the dosage to use, particularly since the dosage range is so

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL <i>Henry M. Jacoby</i>	DATE 8/26/86
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broad. Indicate the types of coatings intended, and the associated dosage rates. The label should also indicate how the product should be added and the point in the manufacturing process where the product is to be applied. If this information is contained in a product bulletin, the label should refer to the bulletin for additional information. The bulletin should be submitted for our review.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these 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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Henry M. Jacoby  
Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (TS-767C)

Enclosures



# BUSAN® 1071

INDU  
ACTIVE INGREDIENTS:  
Methylene bis(thiocyan  
2-Thiocyanomethylthio  
INERT INGREDIENTS ...  
E  
This product

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive, causes irreversible eye damage and causes skin damage. Harmful or fatal if swallowed or absorbed through the skin. This product is a potential skin sensitizer. Workmen handling this product or treated material should wear impervious gloves, goggles or face shield, and protective clothing. All protective clothing, work shoes or boots, and equipment must be left at the work site at the end of the day. Eating, drinking, or smoking during use of this product is prohibited. **FIRST AID:** *In case of skin contact*, wash promptly and thoroughly with soap and water and finally with glycerin. *If product gets in the eyes*, flush immediately with copious amounts of clean, cool water for 15 to 30 minutes. Get medical attention immediately. *If product is swallowed*, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. *Do not induce vomiting or give anything by mouth to an unconscious person.* **ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not apply directly to water or wetlands. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
**SAPSTAIN AND MOLD CONTROL:** Busan 1071 is used to control sapstain and mold on freshly cut hardwood and softwood lumber, logs, poles, posts and timbers. It is applied by dipping or spraying the wood until complete surface wetting is accomplished. Use 5.6 to 44.0 kg of Busan 1071/100 L water (12 to 96 lbs of Busan 1071/100 gal water) and agitate vigorously until Busan 1071 is thoroughly dispersed. Rates to be used will vary according to temperature, humidity, wood moisture, storage conditions, etc. Under conditions suitable for aggressive mold growth, the high rate mentioned above should be used. Treatment should be made as quickly as possible after lumber is cut and always within 24 hours after cutting.  
**PAPER MILLS:** To control bacterial and fungal growth on paper and paperboard machines, Busan 1071 is added to the white water or stock at 0.4 to 2.0 lb/ton of dry paper or paperboard produced.  
**COOLING TOWERS:** Busan 1071 is used to protect cooling tower wood against soft or surface rot and internal or dry rot. It is applied by spraying or painting a dispersion containing 2.0 to 2.8% Busan 1071 in water onto the clean wood surfaces. The amount applied should provide 2.4 to 3.2 lb Busan 1071 per 1000 ft<sup>2</sup> of wood surface. Soft or surface rot can also be inhibited by periodic shock doses of Busan 1071 to the recirculating cooling water at the tower basin or cold well. The dosage should provide 5.0 lb of Busan 1071 per 1000 gal of water and the bleedoff should be stopped for 4 to 6 hr after treatment. The shock treatment should be repeated every four months.  
**COOLING WATER:** Busan 1071 is used to control algae, bacteria, and fungi in industrial recirculating cooling water systems. Before treatment is begun, the system should be cleaned thoroughly to remove old algal growth, microbiological slimes, and other deposits. The system should then be drained, flushed, refilled with water, and treated with an initial dose of 2.4 to 4.8 fl oz Busan 1071 per 1000 gal water in the system. Subsequent additions of 0.8 to 4.8 fl oz per 1000 gal should be made every 1 to 5 days, depending on amount of bleedoff and severity of microbiological fouling.  
**DRILLING FLUIDS:** To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, Busan 1071 is incorporated in the drilling fluid at concentrations of 0.2 to 1.0% based on the total wet weight of the fluid.  
**PETROLEUM SECONDARY RECOVERY:** Busan 1071 is used to control sulfate-reducing bacteria, slime-forming bacteria and fungi in oil-field water, polymer, or micellar floods, water-disposal systems, and other oil-field water systems at dosage rates of 15.6 to 52.0 fl oz of Busan 1071 per 1000 gal of water treated. Additions should be made con-

tinuously or intermittently by means of a metering pump at the free injection well headers. **Continuous Feed Method:** When system per 1000 gal of water continuously until desired degree of control is achieved. **Intermittent Feed Method:** When system is noticeably fouled, or to maintain control, add 15.6 to 52.0 fl oz per day and 1 to 4 times per week, or as needed to maintain control. **CRUDE AND REFINED OILS:** Busan 1071 is an oil-soluble preservative that causes the degradation of crude oil and refined fuel oils during storage. It is transferred from the shipping container to the storage tank at the rate of 1 to 4 times per week, or as needed to maintain control. **MIXTURES:** Busan 1071 should be used at a level of 1.2 to 8.0 lb/1000 lb of oil. Busan 1071 can be added directly to the raceway during additional operations. Busan 1071 should be added as a dispersion in water. A salt water can be prepared by adding the Busan 1071 to the water and agitation. **LEATHER:** To prevent mold growth on chrome- or vegetable-tanned leather prior to finishing, Busan 1071 is used at treatment rates as described above should be prepared and added to the finishing operation or to the rinse water in a post-tanning refloat. **COATINGS:** Busan 1071 is used to control fungal growth on the total weight of the formulation. The exact level to use will vary with nature and amounts of other components of the formulation.

## STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **STORAGE:** Do not expose to extreme temperatures. Containers should be opened in well-ventilated areas. Leaking or damaged drums for disposal. Spills should be absorbed in sawdust. Keep container closed when not in use. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. If you cannot dispose of this product as directed, contact your State Pesticide Control Agency. According to label instructions, contact your State Pesticide Control Agency or Waste representative at your EPA Regional Office for disposal. **CONTAINER DISPOSAL:** Triple rinse (or equivalent) and dispose of in a sanitary landfill, by incineration, or by burning. If burned, stay out of smoke.

NPCA Rating

Health	3	Flammability	2	Reactivity	
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MANUFACTURED BY  
**B'JCKMAN LABORATORIES**  
1256 N. McLEAN BLVD., MEMPHIS, TN 38103  
EPA EST. NO. 1448-TN-1

**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(b) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(7) when the Agency requires data of registrants of similar products to submit such data.

2. Make the labeling changes and provide the information cited below before you release this product for shipment:

a. Add the phrase "EPA Registration No. 1440-102."

b.

c. Under no, stain and mild control, the rates given as oz/1000 are not equivalent to those given in terms of pounds/100 gallons. Make the appropriate change.

d. The directions for use in treating are incomplete. The label should more fully indicate the conditions that will determine the dosage to use, particularly, since the dosage range is so

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

*Henry M. Jacoby*

DATE

*8/26/86*

broad. Indicate the types of coatings intended, and the associated dosage rates. The label should also indicate how the product should be added and the point in the manufacturing process where the product is to be applied. If this information is contained in a product bulletin, the label should refer to the bulletin for additional information. The bulletin should be submitted for our review.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these 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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.



Henry M. Jacoby  
Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (TS-767C)

Enclosures



# BUSAN® 1069

INDUST

ACTIVE INGREDIENT:  
2-(Thiocyanomethylthio)  
INERT INGREDIENTS ...

This product

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes irreversible eye damage. Causes skin damage. This product may cause allergic skin reactions. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed.

**FIRST AID:** *If in eyes,* flush with plenty of water. Get medical attention. *If on skin,* wash with plenty of soap and water. Get medical attention. *If swallowed,* drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

*Note to physician:* Probable mucosal damage may contraindicate gastric lavage.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not use in offshore or estuarine drilling operations. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with a NPDES Permit. For guidance, contact the regional office of the Environmental Protection Agency.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

## STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Do not expose to extreme temperatures. Do not stack more than five drums high. Drums should be opened in well-ventilated areas. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

**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 your EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. Technical assistance in applying Busan 1069 for microorganism control as described in the following is available upon request when a description of the problem is provided.

**LEATHER:** Busan 1069 is used at treatment rates of 1.5 to 12.0 lb/1000 lb of white weight stock to prevent the bacterial or fungal degradation of salt-cured hides and skins and to prevent mold growth on chrome- or vegetable-tanned hides and skins. For treating hides cured with dry salt, Busan 1069 should be sprinkled on the hides or should be mixed with the salt before it is applied to the hides. For treating tanned hides, Busan 1069 should be dispersed in water and added to the pickling solution or to the tanning liquor at the start of the tanning operation. For preservation of leather-finishing pastes and fat liquors, Busan 1069 is added to the pastes at 0.60 to 1.5% by weight of treated paste and mixed to ensure adequate dispersion.

**PULP MILLS:** To protect wood chips from fungal degradation during storage, Busan 1069 is used at 3.0 to 12.0 lb/ton of oven-dry wood. It can be applied through a water shower or spray located in the pneumatic conveyor carrying chips from the chipper to the storage pits. For preservation of wet lap or sheet pulp, Busan 1069 is used at 3.0 to 24 lb/ton of oven-dry fiber. It is applied to the surfaces of the dewatered pulp by means of sprays or applicator rolls.

**PAPER MILLS:** To control bacterial and fungal growth on paper and paperboard machines, Busan 1069 is added to the white water or stock at 0.6 to 3.0 lb/ton of dry paper or paperboard produced. To make mold-resistant paper or paperboard, Busan 1069 is used at 0.3 to 0.6 lb/1000 ft<sup>2</sup> of surface. For coated paper or board, Busan 1069 is incorporated in the coating mix prior to application of the coating. For uncoated paper or board, Busan 1069 is dispersed in water, surface-sizing

solution, or other solvent and applied to the surface to be protected. For agricultural mulch paper, Busan 1069 is used at 9 to 30 lb/ton air by tub-sizing methods or by means of sprays or applicator rolls. **PARTICLE BOARD:** Busan 1069 is employed as a preservative for wood-base fiber and particle panel materials. In this use, Busan 1069 is used at 3.6 to 6.0% based on the dry weight of the wood.

**SAP STAIN CONTROL:** Busan 1069 is used to control sap on lumber, logs, poles, posts, and timbers. It is applied by dipping, spraying, or painting a dispersion containing 3 to 48 gal of Busan 1069 per 100 gal of water, particularly in warm weather, and treated wood should be stored in a well-ventilated area.

**COOLING TOWERS:** Busan 1069 is used to protect cooling towers from dry rot. It is applied by spraying or painting a dispersion containing 3 to 48 gal of Busan 1069 per 100 gal of water. The amount applied should provide 3.6 to 4.8 lb Busan 1069 per 1000 gal of water. The shock treatment should be repeated every 1 to 5 days, depending on the severity of the problem.

**COOLING WATER:** Busan 1069 is used to control algae, bacteria, and fungi in oil-field water, polymer, or micellar liquid systems. Before treatment is begun, the system should be cleaned of microbiological slime, and other deposits. The system should be treated with an initial dose of 3.6 to 22.2 fl oz Busan 1069 per 1000 gal of water. The dosage should be made every 1 to 5 days, depending on the severity of the problem.

**COATINGS:** Busan 1069 is used to protect coatings against dirt, mold, and mildew. It is added at 3 to 30% based on the total weight of the coatings. For aromatic solvents or combinations of aromatic and aliphatic solvents, Busan 1069 is incorporated in the drilling fluid at concentrations of 3.6 to 22.2 fl oz per 1000 gal of water.

**PETROLEUM SECONDARY RECOVERY:** Busan 1069 is used to control bacteria and fungi in oil-field water, polymer, or micellar liquid systems at dosage rates of 1.2 to 22.2 fl oz of Busan 1069 per 1000 gal of water continuously or intermittently by means of a metering pump at the injection well headers. Continuous Feed Method: When system is continuously or intermittently by means of a metering pump at the injection well headers. Continuous Feed Method: When system is continuously or intermittently by means of a metering pump at the injection well headers.

**CUTTING FLUIDS:** Busan 1069 is used to inhibit bacterial and fungal growth on cutting fluids and coolants used in metalworking operations. It will provide 600 to 1500 parts per million Busan 1069 (weight/water) after dilution or to the concentrate before dilution. To prevent bacterial growth in metalworking fluid storage tanks, higher concentrations of Busan 1069 should be added to the diluted fluid as it is prepared to be used.

**REFINED OILS:** Busan 1069 is an oil-soluble preservative for the storage of refined fuel oils during storage. It should be added to the oil as it is stored in a storage tank at the rate of 16 to 32 fl oz Busan 1069 per 1000 gal of oil. It occurs or continuously to the suction side of the transfer pump.

NFPA R

Health	3	Flammability	2	Reactivity	
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MANUFACTURER

**BUCKMAN LABORATORIES**

1256 N. McLEAN BLVD., MEMPHIS, TN 38119

EPA EST NO. 1448-TN-1