



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

80285-1

Date of Issuance:

MAY 07 2004

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product: Promex 10S

Name and Address of Registrant (include ZIP Code):

PromChemie AG  
Austrasse 79  
P. O. Box 26  
FL-9490 Vaduz, Liechtenstein

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. "80285-1".

Signature of Approving Official:

Marshall Swindell, PM 33  
Regulatory Management Branch 1  
Antimicrobial Division (7510C)

Date:

MAY 07 2004

Page 2

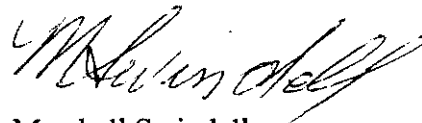
EPA Registration No. 80285-1

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

Submit two (2) copies of final printed labeling for our record. A stamped copy of the label is enclosed for your records.

If you have any questions concerning this letter, please contact Tony Kish at (703) 308-9443.

Sincerely,



Marshall Swindell  
Product Manager 33  
Regulatory Management Branch 1  
Antimicrobial Division (7510C)

Enclosure

# PROMEX™ 10S

FOR INDUSTRIAL USE ONLY AS A MICROBIOSTAT PRESERVATIVE FOR AQUEOUS COMPOSITIONS SUCH AS: LATICES, OIL IN WATER EMULSIONS, EMULSION PAINTS, WATER BASED ADHESIVES, PAPER COATING COMPOSITIONS, AQUEOUS MINERAL SLURRIES, TAPE JOINT COMPOUNDS, AND LEATHER PROCESSING SOLUTIONS, AND FOR THE PRESERVATION OF FRESH ANIMAL HIDES AND SKINS.  
DO NOT USE FOR ANY APPLICATIONS INVOLVING FOOD OR DRINKING WATER CONTACT.

ACTIVE INGREDIENT:  
1,2-Benzisothiazolin-3-one..... 9.0%  
INERT INGREDIENTS ..... 91.0%  
Total ..... 100.0%

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 07 2004

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**  
**FIRST AID**

*Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No.*

80285-1

CALL A POISON CONTROL CENTER OR DOCTOR IMMEDIATELY FOR TREATMENT ADVICE. HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR DOCTOR, OR GOING FOR TREATMENT.

<b>EYES</b>	If in eyes: <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>SKIN</b>	If skin irritation or dermal exposure: <ul style="list-style-type: none"> <li>• Take off contaminated clothes.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>INHALATION</b>	If inhaled: <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>INGESTION</b>	If swallowed: <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>

**POISON CONTROL CENTER: CALL 1-800-222-1222**

**NOTE TO PHYSICIAN:**  
Probable mucosal damage may contraindicate the use of gastric lavage.



PROMEX is a registered trademark of Prom Chem Ltd, licensed to PromChemie AG.

Manufactured for: PromChemie AG  
Austrasse 79, P.O. Box 26,  
FL-9490 Vaduz, Liechtenstein  
(011) 423-236-1818

EPA Reg. No. 80285-R  
EPA Est. No.91110-GBR-001

NET WEIGHT:

BATCH NO:

417

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER

Corrosive. Causes skin burns and irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. do not breathe vapor or spray mist. Wear goggles or face shield, chemical resistant gloves, long pants and long sleeved shirt. Wear a mask or pesticide respirator approved by the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### ENVIRONMENTAL HAZARDS

This product 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 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. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply in marine or estuarine oil fields.

### DIRECTIONS FOR USE

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

Do not use for any applications involving food or drinking water contact.

#### General Recommendations

The concentration required to give protection depends on several factors. These include the susceptibility of the system to microbiological degradation, the extent to which micro-organisms can gain access, the species involved, pH, temperature, and the nature of the material to be protected. For protection against bacterial attack, a concentration within the range 0.04 - 0.5 % PROMEX™ 10S is almost invariably sufficient. Control of mold growth, particularly on paste products of high solids content, may occasionally require demand dosages above 0.05%. Do not use at a rate above 1.0%.

In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.18%.

PROMEX™ 10S is an effective preservative in most aqueous compositions. Typical applications, and the suggested range of concentrations on which trials can be based, are:

concentrations on which trials can be based, are:

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 07 2004

Under the Endangered Species Act as amended, this pesticide, Fungicide, and Rodenticide Act as amended, is registered under EPA Reg. No. 80285-1

Type of Material To Be Protected	Use Rate— Pounds Of PROMEX™ 10S Per 1000 Pounds Of Material To Be Protected
<i>Latices:</i> Polymer latices based on acrylate, butadiene, PVA and styrene for various applications.	1 to 3 lb (0.10-0.30 %)
<i>Oil-in-water emulsions:</i> "Spin finish" solutions for use in the textile industry.	1 to 3.6 lb (0.10-0.36 %)
<i>Emulsion paints:</i> For in-can preservation.	1 to 3 lb (0.10-0.30 %)
<i>Adhesives:</i> Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatin and latex.	1 to 5 lb (0.10-0.50 %)
<i>Paper coating compositions:</i> Resin dispersions; starch and casein-based products.	1 to 3 lb (0.10-0.30 %)
<i>Various mineral slurries:</i> Titanium dioxide slurries.	0.8 to 2.5 lb (0.08-0.25 %)
<i>Tape joint compounds:</i>	1.6 to 2.5 lb (0.16 - 0.25%)
<i>Leather Processing Solutions—to preserve the solution.</i>	0.5 to 4 lb (0.05 - 0.4 %)

### Preservation of Fresh Animal Hides and Skins

To preserve the integrity of fresh animal hides and skins prior to or during processing, use 2 to 48 lbs (26 fluid ounces to 5 gallons) of PROMEX™ 10S per 1000 pounds of hides or skins. Add the appropriate quantity of PROMEX™ 10S to the brine solution during the curing operation or treat hides or skins with an appropriately diluted aqueous solution during other stages portions of the processing operation. The specific use rate and contact time needed to control microbial attack will depend upon the degree of decomposition of the hides or skins prior to treatment.

### STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Protect from frost. If frozen, allow to thaw and stir well before 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 the nearest 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

In emergency situations, such as spills, fire, or exposure, call 1-800-424-9300

### WARRANTY INFORMATION

For warranty and warranty disclaimer information, see Promex 10S Technical Information Bulletin.

# PromChemie AG

## Promex™ 10S Technical Information Bulletin

under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
a preservative for the pesticide,  
registered under EPA Reg. No.

85285-1

### Summary

PROMEX™ 10S, an aqueous solution of 1,2-Benzisothiazolin-3-one, is an efficient microbial preservative for aqueous compositions such as: latices, oil in water emulsions, emulsion paints, water based adhesives, paper coating compositions, aqueous mineral slurries, tape joint compounds, leather processing solutions, and for the preservation of fresh animal hides and skins.

PROMEX™ 10S is registered with the Environmental Protection Agency and has been granted EPA registration No. 80285-\_\_\_.

### General

Many aqueous dispersions and emulsions can be spoiled during storage and use due to the growth in them of bacteria and fungi. PROMEX™ 10S is an effective preservative against growth of microbial agents in the aqueous systems listed, and exhibits:

- Effective control of a wide range of organisms at cost-effective concentrations.
- Long-term storage stability.
- Ease of use due to its liquid form and good compatibility in most aqueous compositions.
- A clear light color, with attendant advantages.

### Properties of PROMEX™ 10S

Composition: A solution of 1,2-Benzisothiazolin-3-one at 9% average in propylene glycol and water. Clear straw color liquid.

Viscosity: 4.62 mm<sup>2</sup>/s. at 20°C

Specific gravity: 1.07 at 25°C

pH: 10.1 at 25°C using CIPAC Method MT75

Boiling point: ~100°C

Solubility: Soluble in water.

Stability: Stable under all normal storage conditions at pH above 4.

### Directions for Use

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

Do not use for any applications involving drinking water contact.

### General Recommendations

The concentration required to give protection depends on several factors. These include the susceptibility of the system to microbiological degradation, the extent to which micro-organisms can gain access, the species involved, pH, temperature, and length of time for which protection is required.

For protection against bacterial attack, a concentration within the range 0.04-0.50% PROMEX™ 10S is almost invariably sufficient. The control of mold growth, particularly on paste products of high solids content, may occasionally require demand dosages above 0.50%. Do not use at a rate above 1.0%.

In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.18%.

PROMEX™ 10S is an effective preservative in most aqueous compositions. Typical applications, and the suggested use rate upon which trials can be based, are:

Type of material to be protected	USE RATE— Pounds of PROMEX™ 10S per 1000 pounds of material to be protected
<i>Latices:</i> Polymer latices based on acrylate, butadiene, PVA and styrene for various applications.	1 to 3 lb (0.1 - 0.3 %)
<i>Oil-in-water emulsions:</i> "Spin finish" solutions for use in the textile industry.	1 to 3.6 lb (0.10 - 0.36%)
<i>Emulsion paint:</i> For in-can preservation.	1 to 3 lb (0.1 - 0.30%)
<i>Adhesives:</i> Animal glues, carboxymethylcellulose (CMC) and derivatives, adhesives based on gelatin and latex.	1 to 5 lb (0.1 - 0.5%)
<i>Paper coating compositions:</i> Resin dispersions; starch and casein-based products.	1 to 3 lb (0.1 - 0.3%)
<i>Aqueous mineral slurries:</i> titanium dioxide slurries.	0.8 to 2.5 lb (0.08 - 0.25%)
<i>Tape joint compounds:</i>	1.6 to 2.5 lb (0.16 - 0.25%)
<i>Leather processing solutions:</i> to preserve the solution.	0.5 to 4 lb (0.05 - 0.4 %)

**Preservation of Fresh Animal Hides and Skins**

To preserve the integrity of fresh animal hides and skins prior to or during processing, use 2 to 48 lbs (26 fluid ounces to 5 gallons) of PROMEX™ 10S per 1000 pounds of hides or skins. Add the appropriate quantity of PROMEX™ 10S to the brine solution during the curing operation or treat hides or skins with an appropriately diluted aqueous solution during other stages portions of the processing operation. The specific use rate and contact time needed to control microbial attack will depend upon the degree of decomposition of the hides or skins prior to treatment.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 07 2004

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.

80285-1

**Precautionary Statements**

**Keep Out of Reach of Children**

**DANGER**

**Hazardous to Humans and Domestic Animals**  
Corrosive. Causes skin burns and irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. do not breathe vapor or spray mist. Wear goggles or face shield, chemical resistant gloves, long pants and long sleeved shirt. Wear a mask or pesticide respirator approved by the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**First Aid:**

If in Eyes: 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. Call a poison control center or doctor for treatment advice.

If Swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control centre doctor.

If on Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control centre or doctor for treatment. Wash contaminated clothing and footwear before reuse.

**Poison Control Center:**

**Call 1-800-222-1222**

**Have the product container or label or this Bulletin with you when calling a poison control center, doctor, or going for treatment.**

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

**Environmental Hazards**

This product is toxic to fish. Do not discharge 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 without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply in marine and estuarine oil fields.

**Storage and Disposal**

**Prohibitions**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Storage**

Protect from frost. If frozen, allow to thaw and stir well before 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 the nearest 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.

---

**For information on spills, call  
1-800-424-9300**

---

**Safe Handling Information**

Refer to the Material Safety Data Sheet (MSDS) available from PromChemie AG for information on the safe use, handling and disposal of this product.

**Warranties and Warranty Disclaimers**

PromChemie AG ("PROM") warrants that this product conforms to the chemical description on the label and that it is reasonably fit for the purposes stated on the label when used in accordance with PROM's directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to PROM, and the buyer assumes the risk of any such use. PROM DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY.

IN NO EVENT SHALL PROM BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, ON ANY THEORY WHATSOEVER, INCLUDING NEGLIGENCE, and PROM's sole liability and Buyer's and User's exclusive remedy shall be limited to the refund of the purchase price. Statements concerning the use of products or the formulations described therein re not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed by PROM.

For technical information, literature, sample and order information, please contact PromChemie AG at the address below.

**PromChemie AG**  
**Austrasse 79, P.O. Box 26**  
**FL-9490 Vaduz, Liechtenstein**  
**Phone (011) 423-236-1818**

**ACCEPTED**  
**with COMMENTS**  
**in EPA Letter Dated:**

MAY 07 2004

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.**

80285-1