 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460</p> <p style="text-align: center;">NOTICE OF PESTICIDE: <u> x </u> Registration <u> </u> Reregistration (under FIFRA, as amended)</p>	EPA Reg. Number: 80285-2	Date of Issuance: MAY 07 2004
	Term of Issuance: Conditional	
	Name of Pesticide Product: Promex 20S	
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.		
<p style="text-align: center;">This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> a. Revise the EPA Registration Number to read, "EPA Reg. No. "80285-2". 		
Signature of Approving Official: Marshall Swindell, PM 33 Regulatory Management Branch 1 Antimicrobial Division (7510C)	Date: MAY 07 2004	

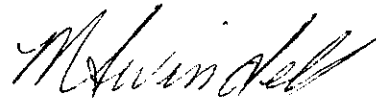
Page 2
EPA Registration No. 80285-2

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™ 20S

FOR INDUSTRIAL USE ONLY AS A MICROBIOSTAT PRESERVATIVE FOR AQUEOUS COMPOSITIONS SUCH AS: LATICES; ADHESIVES; OIL-IN-WATER EMULSIONS; EMULSION PAINTS; PAPER COATING COMPOSITIONS; AQUEOUS MINERAL SLURRIES; TAPE JOINT COMPOUNDS; LEATHER PROCESSING SOLUTIONS; OIL RECOVERY DRILL MUDS AND FLUIDS; SECONDARY OIL RECOVERY INJECTION WATER; AND PULP & PAPER MILL SYSTEMS; AND FOR PRESERVING LEATHER HIDES AND SKINS. DO NOT USE FOR ANY APPLICATIONS INVOLVING FOOD OR DRINKING WATER CONTACT.

ACTIVE INGREDIENT:

1,2-Benzisothiazolin-3-one 19.0%
INERT INGREDIENTS 81.0%
Total 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

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.

EYES	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 treatment advice.
SKIN	If skin irritation or dermal exposure: <ul style="list-style-type: none"> • Take off contaminated clothes. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
INHALATION	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 mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
INGESTION	If swallowed: <ul style="list-style-type: none"> • Call a 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 a poison control center or doctor • Do not give anything by mouth to an unconscious person.

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-E
EPA Est. No. 81110-GBR-001

NET WEIGHT:

BATCH NO:

ACCEPTED with COMMENTS
in EPA Letter Dated:

MAY 07 2004

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.

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 20S Technical Information Bulletin.

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.
80285-2

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.

For protection against bacterial attack, a concentration within the range 0.02-0.25% PROMEX™ 20S is almost invariably sufficient. The control of mold growth, particularly on paste products of high solids content, may occasionally require demand dosages above 0.25%. Do not use at a rate greater than 0.5%.

In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.09%.

PROMEX™ 20S is an effective preservative in most aqueous compositions. Typical applications, and the suggested range of concentrations on which trials can be based, are:

Type of material to be protected	Use Rate— Pounds of PROMEX™20D per 1000 pounds of material to be protected
<i>Latices:</i> Polymer latices based on acrylate, butadiene, PVA and styrene for various applications.	0.5 to 1.5 lb (0.05 - 0.15%)
<i>Adhesives:</i> Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatine and latex.	0.5 to 2.5 lb (0.05 - 0.25%)
<i>Oil-in-water emulsions:</i> "Spin finish" solutions for use in the textile industry. Cutting and rolling fluids.	0.5 to 1.8 lb (0.05 - 0.18%)
<i>Emulsion paints:</i> For in-can preservation.	0.5 to 2.5 lb (0.05 - 0.25%)
<i>Paper coating compositions (non-food-contact only):</i> Resin dispersions; starch and casein-based products.	0.5 to 1.5 lb (0.05 - 0.15%)
<i>Aqueous mineral slurries:</i> Titanium dioxide slurries.	0.4 to 1.25 lb (0.04-0.125%)
<i>Tape joint compounds:</i>	0.8 to 1.25 lb (0.08-0.125%)

amended, for the pesticide,
registered under EPA Reg. No.

Type of material to be protected	Use Rate— Pounds of PROMEX™20D per 1000 pounds of material to be protected
<i>Leather Processing Solutions:</i> To preserve the solution.	0.25 to 2 lb (0.025 - 0.2%)
<i>Drilling fluids, packer fluids, completion fluids:</i> Polysaccharide fluid loss control agents and thickeners such as starch, guar, and xanthan gum.	0.5 to 1.5 lb per 1000 lb of <u>fluid</u> (0.05 – 0.15%), <u>or</u> 15 to 45 lb per 1000 lb of the <u>dry polysaccharide</u>
<i>Secondary oil recovery:</i> Subsurface injection waters such as polymer and miscellar/polymer waterfloods. Thickeners such as xanthan gum and poly-acrylamides.	0.15 to 1.5 lb per 1000 lb of fluid (0.015 – 0.15%)

Preservation of Fresh Animal Hides and Skins

To preserve the integrity of fresh animal hides and skins prior to or during processing, use 1 to 24 lb (13 fluid ounces to 2.5 gallons) of PROMEX™ 20S per 1000 pounds of hides or skins. Add the appropriate quantity of PROMEX™ 20S 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.

Slime Control in Paper Mill Systems

There are two methods of adding slimeicides to paper mill systems: shock dosing and continuous dosing. The preferred method of addition is by shock dosing since this ensures that a high concentration of PROMEX™ 20S is present in the system for several hours. When a slime control agent is added by continuous methods over periods of several hours, its concentration in the system at any time is low. This can lead to the development of resistant organisms, an effect that is less likely to occur when the shock dosing method is used.

It is not possible to give precise recommendations as to the quantity of PROMEX™ 20S to add to control slime formation, since the magnitude of the problem varies greatly from mill to mill, depending on the finish employed, the cleanliness of the mill system, and the additional nutrients (for example, starch) that may be added to the stock.

The following quantities of PROMEX 20S are suggested for trial:

(a) Shock Dosing

If this preferred method is adopted, 2 1/2 to 9 oz. (70 to 260 grams) of PROMEX™ 20S for each ton of paper produced per day should be added as a single daily shock dose, the actual quantity used depending on the severity of the slime problem.

This addition may be made to any part of the stock preparation or backwater system. Alternatively, the addition may be made to those parts of the system where it is known that slime deposits accumulate.

(b) Continuous Addition

If this method is adopted, PROMEX™ 20S should be added continuously for either the single period of 8 hours during every 24 hours or for two separate periods of 4 hours during every 24 hours. PROMEX 20S should be metered at the rate of 7 to 8.3 oz. (195 to 230 grams) for each ton of paper produced during the dosing period. Preferably, this addition should be made to the recirculated backwater.

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.

80285-2

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Summary

PROMEX™ 20S, an aqueous solution of 1,2-Benzisothiazolin-3-one, is an efficient microbial preservative for aqueous compositions such as: latices; adhesives; oil-in-water emulsions; emulsion paints; paper coating compositions; aqueous mineral slurries; tape joint compounds; leather processing solutions; oil recovery drill muds and fluids; secondary oil recovery injection water; and pulp & paper mill systems; and for preserving leather hides and skins.

PROMEX™ 20S 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™ 20S 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™ 20S

Composition: A solution of 1,2-Benzisothiazolin-3-one at 19% average in dipropylene glycol and water

Physical form and appearance: Clear amber liquid.

Viscosity: 124 mm²/s at 20°C

Specific gravity: 1.12 at 25°C

pH: 10.1 at 25°C

Boiling point: ~100°C

Solubility: Soluble in water

Stability: Stable under all normal storage conditions

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.

8 C 2 85-2

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 length of time for which protection is required.

For protection against bacterial attack, a concentration within the range 0.02 - 0.25% PROMEX™ 20S is almost invariably sufficient. The control of mold growth, particularly on paste products of high solids content, may occasionally require demand dosages above 0.25%. Do not use at a rate greater than 0.5%.

In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.09%.

PROMEX™ 20S is an effective preservative in most aqueous compositions. Typical applications, and the suggested range of concentrations on which trials can be based, are:

Type of material to be protected	Use Rate—Pounds of PROMEX™20D per 1000 pounds of material to be protected
<i>Latices:</i> Polymer latices based on acrylate, butadiene, PVA and styrene for various applications.	0.5 to 1.5 lb (0.05 - 0.15%)
<i>Oil-in-water emulsions:</i> "Spin finish" solutions for use in the textile industry, cutting and rolling fluids	0.5 to 1.8 lb (0.05 - 0.18%)
<i>Adhesives:</i> Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatine and latex.	0.5 to 2.5 lb (0.05 - 0.25%)
<i>Water-based and emulsion paints:</i> in-can preservation.	0.5 to 2.5 lb (0.05 - 0.25%)

Type of material to be protected	Use Rate—Pounds of PROMEX™ 20D per 1000 pounds of material to be protected
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<i>Paper coating compositions (non-food-contact only): resin dispersions, starch and casein based products.</i>	0.5 to 1.5 lb (0.05 - 0.15%)
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<i>Aqueous mineral slurries: titanium dioxide slurries.</i>	0.4 to 1.25 lb (0.04 - 0.125%)
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<i>Tap joint compound :</i>	0.8 to 2.5 lb (0.08 to .25%)
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<i>Leather processing solutions: to preserve the solution.</i>	25 to 2 lb (0.025 - 0.2%)
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<i>Drilling fluids, packer fluids, completion fluids:</i>	0.5 to 1.5 lb per 1000 lb of fluid
<i>Polysaccharide fluid loss control agents and thickeners such as starch, guar, and xanthan gum.</i>	(0 .05 – 0.15%) or 15 to 45 lb per 1000 lb of the dry polysaccharide

<i>Subsurface injection waters such as polymer and miscellar/polymer waterfloods:</i>	0.15 to 1.5 lb per 1000 lb of fluid (0.015 – 0.15%)
<i>Thickeners such as xanthan gum and polyacrylamides:</i>	

Preservation of Fresh Animal Hides and Skins

To preserve the integrity of fresh animal hides and skins prior to or during processing, use 1 to 24 lbs (13 fluid ounces to 2.5 gallons) of PROMEX™ 20S per 1000 pounds of hides or skins. Add the appropriate quantity of PROMEX™ 20S to the brine solution during the curing operation or treat hides or skins with an appropriately diluted aqueous solution during other stages 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 0 7 2004

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

80285-2

Slime Control in Paper Mill Systems

There are two methods of adding slimicides to paper mill systems: shock dosing and continuous dosing. The preferred method of addition is by shock dosing since this ensures that a high concentration of PROMEX™ 20S is present in the system for several hours. When a slime control agent is added by continuous methods over periods of several hours, its concentration in the system at any time is low. This can lead to the development of resistant organisms, an effect that is less likely to occur when the shock dosing method is used.

It is not possible to give precise recommendations as to the quantity of PROMEX™ 20S to add to control slime formation, since the magnitude of the problem varies greatly from mill to mill, depending on the finish employed, the cleanliness of the milk system, and the additional nutrients (for example, starch) that may be added to the stock.

The following quantities of PROMEX 20S are suggested for trial:

(a) Shock Dosing

If this preferred method is adopted, 2 1/2 to 9 ounces (70 to 260 grams) of PROMEX™ 20S for each ton of paper produced per day should be added as a single daily shock dose, the actual quantity used depending on the severity of the slime problem.

This addition may be made to any part of the stock preparation or backwater system. Alternatively, the addition may be made to those parts of the system where it is known that slime deposits accumulate.

(b) Continuous Addition

If this method is adopted, PROMEX™ 20S should be added continuously for either the single period of 8 hours during every 24 hours or for two separate periods of 4 hours during every 24 hours.

PROMEX 20S should be metered at the rate of 7 to 8.3 oz. (195-230 grams) for each ton of paper produced during the dosing period. Preferably, this addition should be made to the recirculated backwater.

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.

**ACCEPTED
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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
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80285-2

**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

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