ACTICIDE® B20

ACTIVE INGREDIENTS
1,2-Benzisothiazolin-3-one 20.0%

INERT INGREDIENTS:
60.0%

TOTAL:
100.0%

ACTICIDE® B20 microbiocide weighs 9.6 lb. per gallon.

KEEP OUT OF REACH OF CHILDREN
DANGER - PELIGRO

See Side panel for additional precautionary statements

FIRST AID

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 eye.
* Call a poison control center or doctor for treatment advice.

If Inhaled:
* 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.

If on Skin or clothing:
* Take off contaminated clothing.
* Rinse skin immediately with plenty of water for 15-20 minutes.
* Call a poison control center or doctor for treatment.

If Swallowed:
* 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 the poison control center
or doctor.
* Do not give anything by mouth to an unconscious person.

Note to physician: Probable mucosal damage may contraindicate the use of gastric
lavage.

HOT LINE NUMBER: In case of emergency, for additional information call toll free 1-
800-424-9300. Have the product container or label with you when calling a poison
control center or doctor, or going for treatment.

For Transportation / Spill Emergency: Call Chemtrec at 1-800-424-9300

CAUSTIC ALKALI LIQUID, N.O.S. (Sodium Hydroxide and 1,2-
Benzisothiazolin-3-one), 8, UN 1719, PG-III

EPA Reg. No. 67071-22
Manufactured By: or
Thor GmbH
D-67346 Speyer, Germany
Tel. (06223) 6360

EPA Est. No. 67071-DEU-001
U.S. Office:
Thor Specialties, Inc.
56 Quarry Road, Trumbull, CT 06611
Tel. (203) 365-8530

Precautionary Statements:
Hazards to Humans and Domestic Animals

DANGER
Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin, or on clothing. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if swallowed. Harmful if absorbed through skin. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals. Wear goggles or face shield, a respirator with an organic-vapor removing cartridge with a prefiltro approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with a liquid, long pants, shoes, socks, and chemical-resistant gloves made of barrier laminates, butyl, nitrile, or neoprene rubber, polyvinyl chloride or viton. Remove PPE immediately after handling this product. Follow manufacturer's instructions for cleaning/maintaining PPE. If such instructions state that washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's contents. Do not reuse them. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing/PPE immediately, then wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Industrial microbiocide for use in aqueous compositions such as in water emulsions, latices, paints, adhesives, caseinless dispersions, building materials such as tape joint compounds, aqueous slurries, dilute solutions, such as titanamide disulfide stinks, inks, pesticide formulations, textile spin-finish solutions, leather processing solutions, for the preservation of fresh animal hides and skins, slime control oil recovery systems, and for use in household consumer, industrial, janitorial products. READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING INFORMATION SHEET.

CONDITIONS OF SALE AND WARRANTY
Thor GmbH warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. THOR GMBH MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Thor GmbH and Seller. Claims such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL THOR GMBH OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

Batch:  
Mfg Date:  
Net Contents (pounds):
**ACTICIDE® B20**

**INFORMATION SHEET**

THIS ACTICIDE® B20 INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF ACTICIDE® B20

**DIRECTIONS FOR USE**

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

ACTICIDE® B20 is an effective preservative in most aqueous compositions. Typical applications and suggested range of use concentrations based on total weight of product are as follows:

<table>
<thead>
<tr>
<th>Category</th>
<th>Concentration</th>
<th>Application Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OIL IN WATER EMULSIONS</strong></td>
<td>0.05 - 0.25%</td>
<td>Spin-finish solutions for use in textile industry and photographic emulsions. Cutting/rolling oils. Soluble oils (metal and engineering industries). We suggest that the addition to metal-working fluid concentrates of ACTICIDE® B20 should be limited to 1.5% maximum. This will give a maximum recommended use level of 0.15% ACTICIDE® B20 in a 10:1 dilution of the concentrate and reduce the possibility of skin sensitization.</td>
</tr>
<tr>
<td><strong>LATICES</strong></td>
<td>0.05 - 0.25%</td>
<td>Polymer latices based on acrylates, PVA, butadiene and styrene for various applications. Synthetic rubber latices.</td>
</tr>
<tr>
<td><strong>EMULSION PAINTS</strong></td>
<td>0.05 - 0.25%</td>
<td>As an in-container preservative.</td>
</tr>
<tr>
<td><strong>ADHESIVES</strong></td>
<td>0.05 - 0.25%</td>
<td>Animal glues, vegetable glues, carboxymethylcellulose and derivatives, adhesives based on gelatin and latices.</td>
</tr>
<tr>
<td><strong>PAPER COATING COMPOSITIONS</strong></td>
<td>0.05 - 0.25%</td>
<td>Rosin dispersions, starch and casein based products. * Not approved for this use in the state of California</td>
</tr>
<tr>
<td><strong>PESTICIDE FORMULATIONS</strong></td>
<td>0.05 - 0.25%</td>
<td>For product preservation. For ultimate use-dilution protection. ACTICIDE® B20 is exempt from tolerance under 40 CFR 180. Materials exempted from the requirements of a tolerance when used in accordance with good agricultural practices as inert (or occasionally active) ingredients in pesticide formulations applied to growing crops only. Based on the current limit of 0.1% BIT in formulations, use levels up to 0.5% (5,000 ppm) ACTICIDE® B20 are allowed. * Not approved in the state of California</td>
</tr>
<tr>
<td><strong>INKS</strong></td>
<td>0.05 - 0.25%</td>
<td>* Not approved for this use in the state of California</td>
</tr>
</tbody>
</table>

Information Sheet #220(11-2007-4) – 09/16/2010
Page 1 of 3

EPA Reg. No. 67071-22
Manufactured By/For: Thor GmbH
D-67346 Speyer, Germany
Tel. (06232) 6360
U.S. Office: Thor Specialties, Inc.
56 Quarry Road, Trumbull, CT 06611 USA
Tel. (203) 365-6530
ACTICIDE® B20
INFORMATION SHEET

THIS ACTICIDE® B20 INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT
OF ACTICIDE® B20

DIRECTIONS FOR USE

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<table>
<thead>
<tr>
<th>BUILDING MATERIALS INCLUDING TAPE JOINT COMPOUNDS</th>
<th>0.08 – 0.25%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.80 - 2.5 / PER 1000 LB PRODUCT</td>
</tr>
</tbody>
</table>

*AQUEOUS MINERAL SLURRIES
Including titanium dioxide, kaolin, calcium carbonate, calcium sulfate and magnesium silicate
* Not approved for this use in the state of California

<table>
<thead>
<tr>
<th>0.04 – 0.25%</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.4 -2.5 / PER 1000 LB PRODUCT</td>
</tr>
</tbody>
</table>

*LEATHER PROCESSING SOLUTIONS
* Not approved for this use in the state of California

<table>
<thead>
<tr>
<th>0.025 – 0.20%</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.25 - 2.0 / PER 1000 LB PRODUCT</td>
</tr>
</tbody>
</table>

*HOUSEHOLD *CONSUMER, *INDUSTRIAL, *JANITORIAL PRODUCTS
For the control of bacteria and fungi in liquid and solid soaps, liquid and solid cleaners, liquid and solid detergents, liquid and solid laundry products, liquid and solid dishwashing detergents, waxes, polishes, liquid and solid fabric treatment/refresher products, liquid and solid air fresheners/deodorizers, car care products, and other similar cleaners. ACTICIDE® B20 may also be used for the control of bacteria and fungi in package utility products including pre-moistened sponges and mops. ACTICIDE® B20 may also be used for the control of bacteria and fungi in solutions that are then put into/onto wet wipes for use in industrial, commercial residential and household uses cited above. Wet wipes containing a solution preserved with this product may not be used for personal care, as baby wipes, or for food contact.

ACTICIDE® B20 microbicidic may be added to those products formulated as concentrates which are in turn diluted for use at a level to ensure that the final use-dilution product will contain between 0.05 - 0.20% ACTICIDE® B20.

* Not approved for this use in the state of California

*PRESEVATION OF FRESH ANIMAL HIDES AND SKINS:
To preserve the integrity of fresh animal hides and skins prior to or during processing, use 13 fluid ounces to 2.5 gallons (1.0 – 2.4 lb) of ACTICIDE® B20 per 1000 pounds of hides or skins. Add the appropriate quantity of ACTICIDE® B20 to the brine solution during the curing operation, or treat hides or skins with an appropriately diluted aqueous solution during other 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.

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**SLIME CONTROL**

Shock Dosing: 70 to 260 grams (2 1/2 - 9 oz) of ACTICIDE® B20 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.

Continuous addition: ACTICIDE® B20 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. ACTICIDE® B20 should be metered at the rate of 195-230 grams (7-8.3 oz) for each ton of paper produced during the dosing period. This addition should be made to the recirculated backwater.

*Not approved for this use in the state of California*

**OIL RECOVERY SYSTEMS**

Drilling fluids, packer fluids, completion fluids (polysaccharide fluid loss control agents and thickeners including starch, guar, and xanthan gum) add 0.05% to 0.15% based on the fluid weight or 1.5% - 4.5% based on the dry polysaccharide weight.

Subsurface injection waters including polymer and micellar/polymer waterfloods (thickeners including xanthan gum and polyacrylamides): add 0.015% to 0.15% based on solution weight.

*Not approved for this use in the state of California*