



LICENSED

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Disc.

CANGUARD™ ULTRA BIT 20 AS Preservative

For industrial use only as a microbiostat preservative for aqueous compositions including, oil in water emulsions, latices, emulsion paints, water based adhesives, pesticide formulations, casein/rosin dispersions, aqueous slurries, tape joint compounds, pigment dispersions, leather processing solutions, and for preservation of fresh animal hides and skins.

Active Ingredient(s):
1,2 benzisothiazolin-3-one20%
Inert Ingredients 80%
Total 100%

EPA Reg. No. 464-719
EPA Est. No. 37429-GA-2

KEEP OUT OF REACH OF CHILDREN

DANGER

Precautionary Statements

Hazards to Humans and Domestic Animals

CORROSIVE. CAUSES SEVERE EYE AND SKIN DAMAGE. HARMFUL OR FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. 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. AVOID CONTAMINATION OF FOOD.

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Keep and wash contaminated clothing separately. User should remove clothing immediately if pesticides get inside clothing. Wash contaminated area on the body thoroughly and put on clean clothing. User should remove clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly.

Produced for:



THE DOW CHEMICAL COMPANY
Midland, Michigan 48674 U.S.A.
(989)636-4400

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FIRST AID:	
IF IN EYES:	<ul style="list-style-type: none"> Hold eyes 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 eyes. Call a poison control center or doctor for treatment advice.
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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<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.
HOT LINE NUMBER	
IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (989)636-4400. Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

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 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.

STORAGE AND DISPOSAL

STORAGE: Protect from frost, allow to thaw and stir well before reuse.

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

CONTAINER DISPOSAL:

Nonrefillable Container: Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling, if available, or puncture and

Notice: Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

DIRECTIONS FOR USE

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

CANGUARD ULTRA BIT 20 AS Preservative is an effective preservative in most aqueous compositions. The concentration required to give protection depends on several factors: These include the susceptibility of the system to microbiological degradation, the extent to which microorganisms can gain access, the species involved, pH, temperature and the length of time for which protection is required. For protection against bacterial attack a use concentration between 0.02-0.35% CANGUARD ULTRA BIT 20 AS Preservative is normally sufficient. Dose levels greater than 0.25% may be necessary on occasion for control of mold growth, particularly on paste products with high solids content. In dilute fluid systems control of spoilage is normally controlled with dosages not exceeding 0.09%.

Typical applications and the suggested range of concentrations on which trials can be based are:

PRODUCT USE	% CANGUARD ULTRA BIT 20 AS Preservative (Based on total weight of product)
Pesticide Formulations: For product preservation*	0.10-0.50
Latices, such as polymers latices based on acrylate, butadiene, PVA, styrene for various applications, e.g. wax, floor polishes, synthetic rubber latices	0.05-0.15
Oil in water emulsions: "Spin finish" solutions for use in the textile industry	0.05-0.25
Cutting/rolling oils; soluble oils for use in the metal and engineering industries**	0.05-0.25
Paper coating compositions: Rosin dispersions; starch and casein based products	0.05-0.15
Emulsion paint: For in-can preservation	0.05-0.25
Adhesives, such as carboxy methyl cellulose (CMC) and derivatives, animal glues, adhesives based on gelatin and latex, and latex based sealants	0.05-0.25
Aqueous slurries	0.04-0.25
Tape joint compound	0.08-0.25
Pigment dispersions and pigment cakes	0.05-0.25

*This product is exempt from tolerance under 40CFR 180.920. Products are exempted from the requirements of a tolerance when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticide formulations applied only to growing crops. Based on the current 40CFR 180.920 limit for 1,2-benzisothiazolin-3-one (BIT) in pesticide formulations of 0.1%, a use level of up to 0.5% (5000 ppm) CANGUARD ULTRA BIT 20 AS Preservative is allowed.

**It is suggested the metalworking fluid formulator limit the addition of CANGUARD ULTRA BIT 20 AS Preservative to 1.5% maximum in the metalworking fluid concentrate. A 10:1 dilution of the concentrate will give the recommended use level of 0.15% CANGUARD ULTRA BIT 20 AS Preservative and will reduce the possibility of skin sensitization.

Use in Leather and Animal Hide

Leather Processing Solutions: Dose CANGUARD ULTRA BIT 20 AS Preservative at levels of 0.05-0.25%
Preservation of Fresh Animal Hides and Skin: For preservation of fresh animal hides and skins prior to or during processing, use 13 fluid ounces - 2.5 gallons (1.0-24 lbs) CANGUARD ULTRA BIT 20 AS Preservative per 1000 pounds hides or skins. Dosing should be made to the brine solution during the curing operation or treat hides or skins with diluted aqueous solution at other times during processing. Both use rate and length of contact time necessary to control microbial contamination will vary with the degree of decomposition of the hides or skins prior to processing.