

ECOLAB INC -- MULTIBROM TABLETS

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MSDS Safety Information
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FSC: 6840
NIIN: 01-185-7455
MSDS Date: 09/30/1997
MSDS Num: CJNFS
Product ID: MULTIBROM TABLETS
MFN: 01
Responsible Party
Cage: 85884
Name: ECOLAB INC
Address: 370 WABASHA ST. ECOLAB CENTER
City: ST PAUL MN 55102
Info
Phone Number: 800-352-5326
Emergency Phone Number: 800-328-0026

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Item Description Information
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Item Manager: S9G
Item Name: BIOCIDE, 1-BROMO-3-CHLORO, 5,5-DIMETHYL HYDANTOIN
Specification Number: NONE
Unit of Issue: CN
Quantitative Expression: 00000000050LB
UI Container Qty: 0
Type of Container: CAN

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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Ingestion: YES
Effects of Exposure: SKIN & EYES: CAN CAUSE SEVERE IRRITATION OR CHEMICAL BURNS. SWALLOWED: HARMFUL. CAN CAUSE SEVERE BURNS OF MOUTH, THROAT & STOMACH. INHALED-VAPORS CAN CAUSE IRRITATION, INCLUDING A BURNING TASTE, COUGHING & DIFFICULTY BREATHING

ATHING. PEOPLE WITH ASTHMA OR OTHER LUNG PROBLEMS
MAY BE MORE AFFECTED. NOTE: CONTACT WITH DILUTE SOLUTIONS (0.1% OR LESS) IS
NOT IRRITATING TO SKIN OR EYES.

Signs And Symptoms Of Overexposure: SKIN & EYES: CAN CAUSE SEVERE
IRRITATION OR CHEMICAL BURNS. SWALLOWED: HARMFUL. CAN CAUSE SEVERE BURNS OF
MOUTH, THROAT & STOMACH. INHALED-VAPORS CAN CAUSE IRRITATION, INCLUDING A
BURNING TASTE, COUG HING & DIFFICULTY BREATHING. PEOPLE WITH ASTHMA OR
OTHER LUNG PROBLEMS MAY BE MO

RE AFFECTED. NOTE: CONTACT WITH DILUTE SOLUTIONS
(0.1% OR LESS) IS NOT IRRITATING TO SKIN OR EYES.

Medical Cond Aggravated By Exposure: PEOPLE WITH ASTHMA OR OTHER LUNG PROBLEMS
MAY BE MORE AFFECTED.

First Aid: EYES-FLUSH WITH COOL, RUNNING WATER. REMOVE CONTACT LENSES. CONTINUE
FLUSHING FOR AT LEAST 15 MINUTES, HOLDING EYELIDS APART. CALL PHYSICIAN
IMMEDIATELY. SKIN-IMMEDIATELY FLUSH SKIN WITH PLENTY OF COO L RUNNING WATER
FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHES &a

mp; SHOES.

SWALLOWED-RINSE MOUTH AT ONCE; THEN DRINK 1 OR 2 LARGE GLASSES OF WATER. DO
NOT INDUCE VOMITING! NEVER GIVE ANYTHIN G BY MOUTH TO AN UNCONSCIOUS PERSON.
INHALED-IMMEDIATELY MOVE TO FRESH AIR. IMMEDAITELY CALL THE EMERGENCY MEDICAL
NUMBER (800-328-0026) OR POISON CONTROL CENTER OR PHYSICIAN.

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Handling and Disposal
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Spill Release Procedures: PICK UP WITH OUT RAISING DUST
. FLUSH AREA WITH WATER.

Waste Disposal Methods: CONSULT STATE/LOCAL AUTHORITIES FOR LIMITS ON CHEMICAL
WASTE DISPOSAL.

Handling And Storage Precautions: NONE SPECIFIED BY MANUFACTURER.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.
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Fire and Explosion Hazard Information
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Extinguishing Media: USE WATER, DRY POWDER, OR CARBON DIOXIDE.

Fire Fighting Procedures: WEAR SELF-CONTAINED B
REATHING APPRARATUS.

Unusual Fire/Explosion Hazard: HIGH TEMPERATURES MAY GENERATE HAZARDOUS
DECOMPOSITION PRODUCTS INCLUDING HYDROGEN BROMIDE (HDR), HYDROGEN CHLORIDE
(HC1) OR BROMINE.
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Control Measures
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Respiratory Protection: AVOID BREATHING DUSTS OR MISTS OF THIS PRODUCT.

Ventilation: NONE SPECIFIED BY MANUFACTURER.

Protective Gloves: INDUSTRIAL RUBBER GLOVES, OTHER PROTECTION A

S NECESSARY TO

AVOID SKIN CONTACT.

Eye Protection: CHEMICAL SPLASH GOGGLES. FOR CONTINUED OR SEVERE EXPOSURE WEAR A FACE SHIELD

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: NONE SPECIFIED BY MANUFACTURER.

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Physical/Chemical Properties
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HCC: D1

Solubility in Water: 0.2 G PER 100ML

Appearance and Odor: WHITE TABLETS; SLIGHT HALOGEN ODOR

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: STABLE UNDER NORMAL CONDITIONS OF HANDLING.

Materials To Avoid: PRODUCT IS INCOMPATIBALE WITH ORGANIC SUBSTANCES AND REDUCING AGENTS.

Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

Conditions To Avoid Polymerization: NONE SPECIFIED BY MANUFACTURER.

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Toxicological Information
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Toxicological Information: NONE SPECIFIED BY MANUFACTURER.

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Ecological Information
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Ecological: NONE SPECIFIED BY MANUFACTURER.

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MSDS Transport Information
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Transport Information: NONE SPECIFIED BY MANUFACTURER.

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Regulatory Information
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Sara Title III Information: NONE SPECIFIED BY MANUFACTURER.

Federal Regulatory Information: NONE SPECIFIED BY MANUFACTURER.

State Regulatory Information: NONE SPECIFIED BY MANUFACTURER.

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Other Information
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Other Information: NONE SPECIFIED BY MANUFACTURER.
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Transportation Information
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Responsible Party Cage: 85884
Trans ID NO: 148838
Product ID: MULTIBROM TABLETS
MSDS Prepared Date: 09/30/1997
Review Date: 09/29/1999
MFN: 1
Tech Entry NOS Shipping Nm: 1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN
Net Unit Weight: 50 LBS
Multiple KIT Number: 0
Unit Of Issue: CN

Container QTY: 0
Type Of Container: CAN
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Detail DOT Information
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DOT PSN Code: LDP
Symbols: G
DOT Proper Shipping Name: OXIDIZING SOLID, N.O.S.
Hazard Class: 5.1
UN ID Num: UN1479
DOT Packaging Group: II
Label: OXIDIZER
Packaging Exception: 152
Non Bulk Pack: 212
Bulk Pack: 240
Max Qty Pass: 5 KG
Max Qty Cargo: 25 KG
Vessel Stow Req: B
Water/Ship/Other Req: 56,58,69,106
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Detail IMO Information
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IMO PSN Code: LBH
IMO Proper Shipping Name: OXIDIZING SOLID, N.O.S. o
IMDG Page Number: 5163
UN Number: 1479
UN Hazard Class: 5.1
IMO Packaging Group: I/II/III
Subsidiary Risk Label: -
EMS Number: 5.1-11
MED First Aid Guide NUM: 760
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Detail IATA Information
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IATA PSN

Code: SVU
IATA UN ID Num: 1479
IATA Proper Shipping Name: OXIDIZING SOLID, N.O.S. *
IATA UN Class: 5.1
IATA Label: OXIDIZER
UN Packing Group: II
Packing Note Passenger: 508
Max Quant Pass: 5KG
Max Quant Cargo: 25KG
Packaging Note Cargo: 511

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Detail AFI Information
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AFI PSN Code: SVU
AFI Symbols: *
AFI Proper Shipping Name: OXIDIZING SOLID, N.O.S.
AFI Hazard Class: 5.1
AFI UN ID NUM: UN1
479
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A9.8

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HAZCOM Label
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Product ID: LABEL COVERED UNDER EPA REGS - HAZCOM LABEL NOT AUTHORIZED
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