

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: BIOCIDES, 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.

Physical/Chemical Properties

HCC: D1  
Solubility in Water: 0.2 G PER 100ML  
Appearance and Odor: WHITE TABLETS; SLIGHT HALOGEN ODOR

Reactivity Data

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 MANU  
FACTURER.

Toxicological Information

Toxicological Information: NONE SPECIFIED BY MANUFACTURER.

Ecological Information

Ecological: NONE SPECIFIED BY MANUFACTURER.

MSDS Transport Information

Transport Information: NONE SPECIFIED BY MANUFACTURER.

Regulatory Information

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

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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