

ECOLAB INC -- MULTIBROM TABLETS

=====
MSDS Safety Information
=====

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

=====
Item Description Information
=====

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

=====
Ingredients
=====

Name: *** PROPRIETARY ***

=====

=====
Health Hazards Data
=====

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 BR

EATING. 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, COUGHING & DIFFICULTY BREATHING. PEOPLE WITH ASTHMA OR OTHER LUNG PROBLEMS MAY BE M

ORE 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 COOL RUNNING WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHES &

& SHOES.

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

=====
Handling and Disposal
=====

Spill Release Procedures: PICK UP WITHOUT 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.
=====

Fire and Explosion Hazard Information
=====

Extinguishing Media: USE WATER, DRY POWDER, OR CARBON DIOXIDE.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: HIGH TEMPERATURES MAY GENERATE HAZARDOUS DECOMPOSITION PRODUCTS INCLUDING HYDROGEN BROMIDE (HBR), HYDROGEN CHLORIDE (HCL) OR BROMINE.

=====
Control Measures
=====

Respiratory Protection: AVOID BREATHING DUSTS OR MISTS OF THIS PRODUCT.

Ventilation: NONE SPECIFIED BY MANUFACTURER.

Protective Gloves: INDUSTRIAL RUBBER GLOVES, OTHER PROTECTION

AS 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 MAN
UFACTURER.

=====
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
=====

=====
Other Information: NONE SPECIFIED BY MANUFACTURER.
=====

=====
Transportation Information
=====

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: C
N
Container QTY: 0
Type Of Container: CAN
=====

=====
Detail DOT Information
=====

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
=====

=====
Detail IMO Information
=====

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
=====

=====
Detail IATA Information
=====

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

=====
Detail AFI Information
=====

AFI PSN Code: SVU
AFI Symbols: *
AFI Proper Shipping Name: OXIDIZING SOLID, N.O.S.
AFI Hazard Class: 5.1
AFI UN ID NUM: UN
1479
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A9.8

=====
HAZCOM Label
=====

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

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.