

BIRCHWOOD LABORATORIES INC. -- PRESTO BLACK BST4 -- 6850-01-115-5268

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Product Identification
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Product ID:PRESTO BLACK BST4

MSDS Date:01/23/1998

FSC:6850

NIIN:01-115-5268

Status Code:A

MSDS Number: CJHJL

=== Responsible Party ===

Company Name:BIRCHWOOD LABORATORIES INC.

Address:7900 FULLER ROAD

City:EDEN PRAIRIE

State:MN

ZIP:55344

Country:US

Info Phone Num:612-937-7940

Emergency Phone Nu

m:612-937-7900

Chemtrec Ind/Phone:(800)424-9300

CAGE:51243

=== Contractor Identification ===

Company Name:BIRCHWOOD LABORATORIES INC.

Address:7900 FULLER ROAD

Box:City:EDEN PRAIRIE

State:MN

ZIP:55344

Country:US

Phone:612-937-7900

Contract Num:SP0450-98-M-C127

CAGE:51243

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Composition/Information on Ingredients
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Ingred Name:SELENIOUS ACID (H₂SEO₃)

CAS:7783-00-8

RTECS #:VS7175000

< Wt:3.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG/M³

ACGIH TLV:0.2 MG/M³

EPA Rp

t Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CUPRIC SULFATE - CUSO4 5H2O
CAS:7758-99-8
RTECS #:GL8900000
< Wt:3.
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:1 MG/M3 (AS CU)

Ingred Name:NITRIC ACID (HNO3)
CAS:7697-37-2
RTECS #:QU5775000
< Wt:3.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3;2 PPM
ACGIH TLV:5.2 MG/M3;2 PPM
ACGIH STEL:10 MG/M3;4 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
> Wt:91.
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 2,200 MG/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: LIVER, KIDNEY, SPLEEN,
LUNG, HEART, ADRENAL GLAND, PANCREAS. ACUTE - INHALATION: TOXIC
FUMES NOT GENERATED NORMALLY. MISTS CAN CAUSE LOST SENSE OF SMELL,
NOSE AND THROAT IRRITATION, GAR LIC ODOR OF BREATH, HEAD
ACHE,
DIZZINESS, LASSITUDE, TREMORS, DIFFICULTY BREATHING, BRONCHITIS,
PNEUMONITIS, BRONCHIAL ASTHMA. SKIN: NOT A PRIMARY IRRITANT. MAY
CAUSE REDNESS, EDEMA ON PROLONGED/REPEAT ED CONTACT. EYES:
IRRITANT. CAN CAUSE CONJUNCTIVITIS, SWELLING OF EYELIDS AND CORNEAL
OPACITY. INGESTION: IT CAN PRODUCE SYSMPTOMS SIMILAR TO INHALATION.
CHRONIC - MAY CAUSE ANEMIA, SKIN SENSITIZATION , DEGENERATIVE
EFFECTS ON TARGET ORGANS.
Explanation of Carcinogenicity:NONE
Effects of Overex

posure:LOST SENSE OF SMELL, NOSE AND THROAT
IRRITATION, GARLIC ODOR OF BREATH, HEADACHE, DIZZINESS, LASSITUDE,
TREMORS, DIFFICULTY BREATHING, BRONCHITIS, PNEUMONITIS, BRONCHIAL
ASTHMA, SKIN DERMATITIS, SENSITIZATION, REDNESS, EDEMA ON
PROLONGED/REPEATED CONTACT, CONJUNCTIVITIS, SWELLING OF EYELIDS AND
CORNEAL OPACITY, ANEMIA

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===== First Aid Measures =====

First Aid:INHALATION: REMOVE FROM EXPOSURE. IF BREATHING IS DIFFICULT,
PROVIDE ARTIFICIAL RESPIRATION OR OXYGEN. CONSULT A PHYSICIAN.
WATCH FOR DELAYED PULMONARY EDEMA. SKIN: REMOVE CONTAMINATED
CLOTHING. WASH AFFECTED AREA WITH SOAP AND WATER. APPLICATION OF A
10% SODIUM THIOSULFATE CREAM HAS BEEN RECOMMENDED. EYES:
IMMEDIATELY RINSE EYES THOROUGHLY WITH CLEAN WATER. INSTILLATION OF
AQUEOUS 10% SODIUM THIO SULFATE IS RECOMMENDED. CONSULT A
PHYSICIAN. INGESTION: IF VICTIM IS CONSCIOUS, INDUCE EMESIS. SEEK
MEDICAL ATTENTION. NOTE: A DIURETIC TO ELIMINATE SELENIUM,
VITAMIN B COMPLEX, VITAMIN C AND METHIONINE SUPPLEMENT ARE RECOMMENDED.

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===== Fire Fighting Measures =====

Flash Point:NON-FLAMMABLE
Extinguishing Media:NON-FLAMMABLE
Fire Fighting Procedures:NON-FLAMMABLE
Unusual Fire/Explosion Hazard:NON-FLAMMABLE. NON-EXPLOSIVE EXCEPT WITH
WATER REACTIVE SUBSTANCES.

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===== Accidental Release Measures =====

Spill Release Procedures:REVIEW CURRENT LOCAL, STATE AND FEDERAL
REGULATIONS TO DETERMINE THE APPROPRIATE AGENCIES TO BE NOTIFIED.
RECOVER AS MUCH FREE LIQUID AS POSSIBLE AND COLLECT IN
ACID-RESISTANT CONTAINER. USE ABSORBENT TO PICK UP RESIDUE. AVOID
DISCHARGING THE LIQUID DIRECTLY INTO SEWER OR SURFACE WATER. CERCLA
REPORTABLE QUANTITY IS 1 LB. FOR SELENIOUS ACID (APPROXIMATELY 8
GALLONS OF THE PRODUCT).
Neutralizing Agent:WEAK BASE

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===== Handling and Storage =====

Handling and Storage Prec

autions:AVOID CO-LOADING OR STORING WITH
CYANIDES, WATER-REACTIVE SUBSTANCES OR STRONG REDUCING AGENTS.
STORE IN ACID RESISTANT CONTAINERS. PROTECT CONTAINERS FROM
PHYSICAL DAMAGE.

Other Precautions:WORKERS HANDLING THE PRODUCT SHOULD WASH BEFORE
SMOKING OR EATING. KEEP OUT OF REACH OF CHILDREN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR,
SUPPLIED- AIR RESPIRATOR OR SELF-CONTAINED
BREATHING APPARATUS EACH

WITH FULL FACEPIECE, HELMET OR HOOD IF MISTING IS LIKELY.

Ventilation:LOCAL: TO KEEP MISTS BELOW TLV. MECHANICAL:NO INFORMATION.
SPECIAL: EQUIPMENT FOR CONTAINMENT AND COLLECTION OF MISTS IF
SPRAY APPLICATION USED.

Protective Gloves:RUBBER OR PLASTIC GLOVES.

Eye Protection:GLASSES, GOGGLES OR FACE SHIELD.

Other Protective Equipment:AS APPROPRIATE TO OPERATION TO GUARD AGAINST
CONTAMINATION OF CLOTHING AND PROLONGED OR REPEATED SKIN CONTACT.

Supplemental

Safety and Health

ITEM NUMBER: 5300.

===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:=100.6C, 213.F

Vapor Pres:NO DATA

Vapor Density: