

PRESTONE PRODUCTS CORP -- BE SERIES HEAVY DUTY REINHIBITOR 1 -- 6850-01-387-1095  
===== Product Identification =====

Product ID:BE SERIES HEAVY DUTY REINHIBITOR 1

MSDS Date:09/22/1995

FSC:6850

NIIN:01-387-1095

Status Code:A

MSDS Number: CKNHX

=== Responsible Party ===

Company Name:PRESTONE PRODUCTS CORP

Address:39 OLD RIDGEBURY RD

City:DANBURY

State:CT

ZIP:06810-5109

Country:US

Info Phone Num:203-7

31-7800

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:MSDSP145

Preparer's Name:JAMES L. OTTOWITZ

Chemtrec Ind/Phone:(800)424-9300

CAGE:0CXZ7

=== Contractor Identification ===

Company Name:FINISH THOMPSON INC

Address:921 GREENGARDEN RD

Box:City:ERIE

State:PA

ZIP:16501-1591

Country:US

Phone:814-455-4478/800-942-5969

Contract Num:SP0450-00-M-SC42

CAGE:30255

Company Name:PRESTONE PRODUCTS CORP

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06810-5109

Country:US

Phone:203-7

31-3686/830-7865  
CAGE:0CXZ7

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Composition/Information on Ingredients  
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Ingred Name:ETHYLENE GLYCOL (CONTAINS 0-8% DIETHYLENE GLYCOL)  
CAS#111-46-6  
CAS:107-21-1  
RTECS #:KW2975000  
Minumum % Wt:30.  
Maxumum % Wt:40.  
ACGIH STEL:C127 MG/M3;C50 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SODIUM MERCAPTOBENZOTHIAZOLE  
CAS:2492-26-4  
Minumum % Wt:1.  
Maxumum % Wt:5.

Ingred Name:POTASSIUM HYDROXIDE  
CAS:1310-58-3  
RTECS #:TT2100000  
Minumum % Wt:7.  
Maxumum % Wt:13.  
ACGIH S  
TEL:C2 MG/M3  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM SILICATE  
CAS:1344-09-8  
Minumum % Wt:3.  
Maxumum % Wt:6.

Ingred Name:SODIUM TOLYLTRIAZOLE  
CAS:64665-57-2  
Minumum % Wt:1.  
Maxumum % Wt:5.

Ingred Name:SODIUM BORATE  
CAS:1303-96-4  
RTECS #:VZ2275000  
Minumum % Wt:7.  
Maxumum % Wt:13.  
ACGIH TLV:5 MG/M3

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Minumum % Wt:20.  
Maxumum % Wt:50.

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Hazards Identification  
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Reports of Carcinogenic

ity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: SWALLOWING-INGESTION MAY RESULT IN IMMEDIATE & SEVERE BURNS TO LIPS, TONGUE, ORAL MUCOSA & ESOPHAGUS WITH POSSIBLE GASTROINTESTINAL HEMORRHAGE & PERFORATION. CARDIAC FAILURE & PULMONARY EDEMA MAY DEVELOP. SEVERE KIDNEY DAMAGE FOLLOWS SWALLOWING OF LARGE VOLUMES OF ETHYLENE GLYCOL. MAY BE FATAL. LIVER INJURY MAY OCCUR. INHALATION-EXTREME LUNG IRRITATION MAY RESULT WITH POSSIBLE DAMAGE OR DESTRUCTION OF

LUNG

TISSUE RESULTING IN PNEUMONITIS OR PULMONARY EDEMA. SKIN-MAY CAUSE SEVERE SKIN IRRITATION &/OR CHEMICAL BURNS RESULTING IN TISSUE DESTRUCTION. EYE-CAN CAUSE RAPID, SEVERE IRRITATION & /OR CHEMICAL BURNS.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IS LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY IARC, NTP OR OSHA.

Effects of Overexposure:SWALLOWING-SYMPTOMS OF DROOLING, DIFFICULTY WITH SWALLOWING, BREATHING & SPEAKING, CHEST PAIN MAY BE NOTED. MAY

CAUSE ABDOMINAL DISCOMFORT OR PAIN, NAUSEA, VOMITING, DIZZINESS, MALAISE, BLURRING OF VISION, IRRITABILITY, LUMBAR PAIN, OLIGURIA, UREMIA & CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING IRREGULAR EYE MOVEMENT, CONVULSION & COMA. A DELAYED RED SKIN RASH MAY DEVELOP. INHALATION-SYMPTOMS OF HOARSENESS, DIFFICULT BREATHING & RESPIRATORY DISTRESS MAY BE NOTED. HIGH VAPOR CONCENTRATIONS MAY PRODUCE NAUSEA, VOMITING, HEADACHE, DIZZINESS & IRREGULAR EYE MOVEMENT.

Medical Cond

Aggravated by Exposure:MAY AGGRAVATE EXISTING KIDNEY DISEASE.

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

First Aid:SWALLOWING-DO NOT INDUCE VOMITING. RINSE MOUTH & DRINK A GLASS OF MILK OR WATER. DO NOT GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON. GET IMMEDIATE MEDICAL AID. (CALL PHYSICIAN, POISON CONTROL CENTER, HOSPITAL ER) SKIN-REMOVE CONTAMINATED CLOTHING/SHOES. FLUSH SKIN WITH WATER FOR 15 MINS. IF IRRITATION, OR PAIN DEVELOPS, SEEK MEDICAL AID. INHALATION-IF SYMPTOMS OF EXPOSURE DEVELOP REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. PERFORM CPR IF BREATHING HAS STOPPED, & SEEK IMMEDIATE MEDICAL AID. EYES-IMMEDIATELY FLUSH WITH WATER, USING A STEADY STREAM FOR 30 MIN. SEEK MEDICAL AID .

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

Flash Point Method:TOC

Flash Point:NO FLASH

Autoignition Temp:Autoignition Temp Text:ND

Lower Limits:ND

Upper Limits:ND

Extinguishing Media:W

ATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:USE POSITIVE PRESSURE SELF-CONTAINED BRATHING APPARATUS WHEN ENTERING A CONFINED SPACE.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT FOR HANDLING CORROSIVE MATERIALS. COLLECT FOR DISPOSAL USING AN ABSORBENT MATERIAL, IE. VERMICULITE, AND PLACE IN A CONTAINER SUITABLE FOR CORROSIV E WAST E.

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

Handling and Storage Precautions:KEEP TIGHTLY CLOSED. DO NOT STORE IN OPEN OR UNLABELED CONTAINERS. STORE IN A COL, WELL VENTILATED AREA.. STORE AWAY FROM INCOMPATIBLE MATERIALS SUCH AS OILS, PAINTS, GASOLINE, AND FUEL PRODUCTS. KEEP AWAY FROM PAPER, RAGS, AND OTHER COMBUSTIBLES. DO NOT REUSE EMPTY CONTAINERS.

Other Precautions:FOLLOW ALL RECOMMENDED PRECAUTIONS IN HANDLING EMPTY CONTAINERS. WHEN EMPTY, IMMEDIATELY REPACE CAP AND DISPOSE OF PROPERLY. DO NOT CUT OR WELDON OR NEAR CONTAINER, EVEN EMPTY. EMPTY CONTANERS CONTAIN PRODUCT RESIDUES AND MAY BE DANGEROUS. HAZARDOUS REACTIONS MAY OCCUR! USE ONLY AS DIRECTED.

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

Respiratory Protection:NONE NEEDED UNDER NORMAL USE CONDITIONS. FOR OPERATIONS WHERE THE TLV MAY BE EXCEEDED, A NIOSH/MSHA APPROVED RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE & DUST/MIST PRE-FILTER OR SUPPLIED AIR RESPIRATOR IS RECOMMENDED. EQUIPMENT SELECTION DEPENDS ON CONTAMINAT TYPE/CONCENTRATION, SELECT IN ACCORDANCE WITH 29 CFR 1910.134 & GOOD INDUSTRIAL HYGIENE PRACTICE.

Ventilation:GENERAL VENTILATION ADEQUATE FOR NORMAL USE. OPERATIONS WHERE THE MATERIAL IS HEATED, MISTED, TLV EXCEEDED, FORCED VENTILATION (LOCAL EXHAUST) MAYBE NEEDED.

Protective Gloves:CHEMICAL RESISTANT (NEOPRENE OR PVC COATED) GLOVES.

Eye Protection:SPLASH-PROOF CHEMICAL SAFE

TY GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS APRON, COVERALL, AND BOOTS IF NEEDED TO PREVENT SKIN CONTACT. SUITABLE WASHING AND EYE FLUSHING FACILITIES SHOULD BE AVAILABLE IN THE IMMEDIATE WORK AREA.

Work Hygienic Practices:CONTAMINATED CLOTHING SHOULD BE IMMEDIATELY REMOVED AND LAUNDERED BEFORE RE-USE. PREVENT CONTACT WITH EYES, SKIN & CLOTHING. IMMEDIATELY REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE RESUE.

Supplemental Safety and Health

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RECAUTIONS: CORROSIVE! DO NOT BREATHE VAPOR OR MIST THAT MAY GENERATE IN USING THE CHEMICALS. USE ONLY WITH PROPER VENTILATION. WASH EXPOSED SKIN THOROUGHLY WITH SOAP & WATER AFTER USE. DO NO T MIX THIS CHEMICAL DIRECTLY WITH OTHER MATERIAL. RESPIRATORY: FOR FIREFIGHTING USE SELF-CONTAINED BREATHING APPARATUS.

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

HCC:B1

Boiling Pt:>104.4C, 220.F

Melt/Freeze Pt: