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===== Product Identification =====

Product ID:THALITONE

MSDS Date:10/01/1990

FSC:6505

NIIN:01-099-8483

MSDS Number: BMBXG

=== Responsible Party ===

Company Name:BOEHRINGER INGELHEIM PHARMACEUTICALS, INC.

Address:175 BRIAR RIDGE RD

Box:1160

City:DANBURY

State:CT

ZIP:06810-7249

Country:US

Info Phone Num:203-798-5521/203-798-9988

Emergency Phone Num:203-798-5521/203-798-9988

CAGE:55391

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= Contractor Identification ===

Company Name:BOEHRINGER INGELHEIM INC.

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===== Composition/Information on Ingredients =====

Ingred Name:CHLOROTHALIDONE (77-36-1)

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 6000 MG

/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and

Chronic:ACUTE-EYES/SKIN/INHALATION:IRRITATION.POSSIBLE ALLERGIC REACTION TO DUST IF INHALED/SKIN CONTACT.ORAL:MAY CAUSE DRYNESS OF MOUTH,INCREASED THIRST,IRREGULAR HEARTBEAT,MOOD/MENTAL CHANGES,MUSCLE CRAMPS/ PAIN,NAUSEA,VOMITING,UNUSUAL TIREDNESS,WEAKNESS,WEAK PULSE.CHRONIC-POSSIBLE HYPERSENSITIVITY,ELECTROLYTE IMBALANCE.

Effects of Ov

ereposure:CAN CAUSE EYES/SKIN/INHALATION IRRITATION.

POSSIBLE ALLERGIC REACTION TO DUST IF INHALED/SKIN CONTACT/INGESTED. ORALLY MAY CAUSE DRYNESS OF MOUTH, INCREASED THIRST, IRREGULAR HEARTBEAT, MOOD/MENTAL CHANGES, MUSCLE CRAMPS/PAIN, NAUSEA, VOMITING, UNUSUAL TIREDNESS, WEAKNESS AND WEAK PULSE.

Medical Cond Aggravated by Exposure:HYPERSENSITIVITY TO CHLORTHALIDONE OR OTHER SULFONAMIDE DRUGS, RENAL DISEASE, LIVER DISEASE.

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First Aid Measures  
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First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.EYE/SKIN:FLUSH WITH WATER FOR 15 MINUTES.HOLD EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.ORAL:FLUSH OUT MOUTH WITH WATER.SEEK MEDICAL ATTENTION.

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Fire Fighting Measures  
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Extinguishing Media:CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Pro

cedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:AS WITH ANY FINELY DIVIDED ORGANIC SOLID,DUST MAY BE EXPLOSIVE IF MIXED WITH AIR IN CRITICAL PROPORTIONS & IN THE PRESENCE OF AN IGNITION SOURCE.

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Accidental Release Measures  
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Spill Release Procedures:WEAR APPROVED RESPIRATOR AND CHEMICALLY COMPATIBLE GLOVES

. VACUUM OR SWEEP UP SPILLAGE. AVOID CREATING DUST. PLACE SPILLAGE IN APPROPRIATE CONTAINER FOR WASTE DISPOSAL. WASH CONTAMINATED CLOTHING BEFORE REUSE. VENTILATE AREA AND WASH SPILLSITE.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORAGE-STORE IN AIRTIGHT CONTAINER.USE WITH ADEQUATE DUST CONTROL.

Other Precautions:DO NOT RAISE DUST. AVOID CONTACT WITH EYES AND SKIN. AVOID BREATHING DUST. WASH THOROUGHLY AFTER HANDLING MATERIAL. WEAR FRESH CLOTHING DAILY.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF WORKPLACE EXPOSURE LIMIT IS EXCEEDED, A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR DUST RESPIRATOR IS ADVISED.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER

Eye Protection:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION, EMERGENCY SHOWER,

APPROPRIATE LABORATORY COAT TO COVER EXPOSED SKIN

Work Hygienic Practices:DO NOT PERMIT EATING, DRINKING OR SMOKING NEAR THIS MATERIAL.

Supplemental Safety and Health

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:355F,179C

Solubility in Water:PRACTICALLY INSOLUBLE

Appearance and Odor:WHITE TO YELLOWISH-WHITE CRYSTALLINE POWDER; ODORLESS

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

NONE KNOWN.

Stability Condition to Avoid: FLAMES

Hazardous Decomposition Products: TOXIC FUMES

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. RECOMMENDED METHOD IS BY INCINERATION OR LANDFILL.

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