



Mercury Decontaminant Powder

MATERIAL SAFETY DATA SHEET



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AN ISO 9001 CERTIFIED COMPANY

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SECTION 1 PRODUCT IDENTIFICATION HAZARD RATING

PRODUCT NAME: HgX® Mercury Decontaminant Powder HEALTH FIRE REACTIVITY
MANUFACTURER'S NAME: Acton Technologies, Inc. 1 0 0
CHEMICAL FAMILY: Salt / Chelating Agent
FORMULA: Proprietary blend of Sodium Thiosulfate and Ethylenediaminetetraacetic Acid

SECTION 2 HAZARDOUS INGREDIENTS

NONE

SECTION 3 PHYSICAL DATA

VAPOR DENSITY: Not Applicable PERCENT VOLATILE: Not Applicable
SOLUBILITY IN WATER: Appreciable SPECIFIC GRAVITY: Est. above 1.0 (No Data)
EVAPORATION RATE: Not Applicable ODOR: None
APPEARANCE: Granular (white)

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: Not Applicable AUTO IGNITION TEMPERATURE: Not Applicable
FLAMMABLE LIMITS IN AIR: Not Applicable EXTINGUISHING MEDIA: Not Applicable
FIRE FIGHTING PROCEDURES: Extremely high temperatures may cause evolution of toxic SO2 or H2S gases

SECTION 5 HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE DATA: Not Applicable
EFFECTS OF OVEREXPOSURE: None Known
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Allergies (possibly)

FIRST AID PROCEDURES:

INHALATION: Avoid breathing dust by wearing dust respirator. Remove to fresh air if effects occur.
EYES: Irrigate eyes for 15 minutes. For serious irritation, seek medical attention.
SKIN: Flush skin with water for 15 minutes. For serious irritation, seek medical attention.
INGESTION: Ingestion in gross quantities could be harmful - seek medical attention.

# HgX<sup>®</sup> Mercury Decontaminant Powder

## SECTION 6 REACTIVITY DATA

**STABILITY:** Stability limited in solution  
**CONDITIONS TO AVOID:** High temperatures, Acids and oxidizing agents.  
**INCOMPATIBLE WITH:** Acids, Oxidizing Agents.  
**HAZARDOUS POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** High Temperatures (800 -900°F) may cause evolution of toxic SO<sub>2</sub> or H<sub>2</sub>S gases.

## SECTION 7 SPILL, LEAK AND DISPOSAL PROCEDURES

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:** Clean up with water.

**DISPOSAL PROCEDURE:**  
Unused, in dry form, HgX<sup>®</sup> may be stored indefinitely. It may be disposed of according to local, state and federal environmental regulations.

HgX<sup>®</sup> which has been used to decontaminate a Mercury spill must be handled as follows: Separate the solids and do a toxicity test on the solids and the liquid. Depending upon toxicity readings, more HgX<sup>®</sup> may be added to further decontaminate the liquid or solids which then should be disposed of according to local, state and federal environmental regulations.

## SECTION 8 SPECIAL PROTECTION INFORMATION

**VENTILATION:** As necessary to remove dust.  
**RESPIRATORY PROTECTION:** Use NIOSH/MSHA certified dust mask and/or respirator where appropriate.  
**EYE PROTECTION:** Wear safety glasses with side shields.  
**PROTECTIVE GLOVES / APRON:** Wear clothing sufficient to protect skin from contact.

## SECTION 9 SPECIAL PRECAUTIONS AND COMMENTS

**STORAGE AND HANDLING INFORMATION:**  
Store in a cool dry area.  
Avoid storage where contact with acids or oxidizing agents is likely.  
Avoid breathing dust. Avoid skin and eye contact.

### \*\*\*NOTICE\*\*\*

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