



Mercury Decontaminant Powder

MATERIAL SAFETY DATA SHEET



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SECTION 1 PRODUCT IDENTIFICATION HAZARD RATING

Table with 4 columns: Product Name, Manufacturer's Name, Chemical Family, Formula, Health, Fire, Reactivity. Values include HgX Mercury Decontaminant Powder, Acton Technologies, Inc., Salt / Chelating Agent, and hazard ratings of 1, 0, 0.

SECTION 2 HAZARDOUS INGREDIENTS

NONE

SECTION 3 PHYSICAL DATA

Table with 4 columns: Vapor Density, Solubility in Water, Evaporation Rate, Appearance, Percent Volatile, Specific Gravity, Odor. Values include Not Applicable, Appreciable, Granular (white), and Est. above 1.0 (No Data).

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Table with 4 columns: Flashpoint, Flammable Limits in Air, Fire Fighting Procedures, Auto Ignition Temperature, Extinguishing Media. Values include Not Applicable and Extremely high temperatures may cause evolution of toxic SO2 or H2S gases.

SECTION 5 HEALTH HAZARD DATA

Table with 4 columns: Permissible Exposure Data, Effects of Overexposure, Medical Conditions Prone to Aggravation by Exposure. Values include Not Applicable, None Known, and 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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