

# Material Safety Data Sheet

Taylor Precision Products  
2220 Entrada de Sol  
Las Cruces, NM 88001

Date Prepared: 4/4/00

For Emergency information, call 505-526-0944.

---

## SECTION I. IDENTIFICATION

Name: **Mercury Contained in Manufactured Articles - UN2809**

---

## SECTION II: PRODUCT AND COMPONENT HAZARD DATA

HAZARD CLASS 8, Label required CORROSIVE

CONTENTS: Mercury CAS #7439-97-6

OSHA PEL: .05mg/M3

FORMULA: Hg

ACGIH TLV: Same

COMMON NAMES: Colloidal Mercury; Metallic Mercury; NCI-C60399; Quicksilver;  
Inorganic Mercury; Hydrargyrum; Elemental Mercury; RCRA U151; UN 2809;  
NA 2809; Hg; BAC14020

---

## SECTION III: PHYSICAL DATA

APPEARANCE: Silvery liquid metal, mobile, and odorless.

BOILING POINT: 357°C

SPECIFIC GRAVITY (Water=1): 13.5

VAPOR PRESSURE: .0012mm Hg. at 20°C

MELTING POINT: -38.87°C

VAPOR DENSITY (Air=1): 1.015

EVAPORATION RATE (Butyl Acetate=1): Not Available

SOLUBILITY IN WATER: .002 gr/100 gr at 20°C

---

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NA

FLAMMABLE LIMITS: NA

LEL.UEL: NA

EXTINGUISHING MEDIA: Use appropriate extinguishing media for the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: At high temperatures, mercury vaporizes readily to form highly toxic fumes that are colorless and odorless. Fire fighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode when mercury is involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

---

---

## SECTION V. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Heat, High temperature

INCOMPATIBILITY: Halogens, Nitric Acid, Ammonia Gas, Acetylene

HAZARDOUS DECOMPOSITION PRODUCTS: Mercury Vapor

HAZARDOUS POLYMERIZATION: Will not occur.

---

---

## SECTION VI. HEALTH HAZARD DATA

CERCLA RATINGS (Scale 0-3): HEALTH=3 FIRE=0 REACTIVITY=0 PERSISTENCE=3  
NFPA RATINGS (Scale 0-4): HEALTH=U FIRE=0 REACTIVITY=0

### POTENTIAL HEALTH EFFECTS:

#### INHALATION:

SHORT TERM EFFECTS: May cause irritation. May cause allergic reactions. Additional effects may include: redness and swelling to the skin, redness and swelling of the mouth and gums, coughing, sweating, metallic taste, thirst, chills, fever, drooling, nausea, vomiting, diarrhea, frequent urination, chest pain, difficulty breathing, headache, weakness, muscle pain, sexual disorders, impotence, lung damage, heart disorders, kidney damage, liver damage, nerve damage and effects on the brain.

LONGER TERM EFFECTS: In addition to effects from short term exposure, blue lines on the gums, loosening of the teeth, lack of appetite, weight loss, inability to urinate, anemia, difficulty walking, sleeplessness, twitching, loss of memory, and hallucinations may occur. May also cause reproductive effects.

#### SKIN CONTACT:

SHORT TERM EFFECTS: May cause irritation. May cause allergic reactions. Additional effects may include metallic taste, digestion disorders, kidney damage, nerve damage and effects on the brain.

LONG TERM EFFECTS: May cause effects as reported in long term inhalation.

#### EYE CONTACT:

SHORT TERM EFFECTS: May cause irritation.

LONG TERM EFFECTS: No information available on significant adverse effects.

#### INGESTION:

SHORT TERM EFFECTS: May cause thirst, nausea, vomiting, kidney damage and nerve damage.

LONG TERM EFFECTS: No information available on significant adverse effects.

CARCINOGEN STATUS: OSHA: N NTP: N IARC: N

---

## SECTION VII. PRECAUTIONS FOR SAFE HANDLING AND USE

### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Use appropriate respiratory protection and proper protective clothing. Clean spills immediately with a mercury vacuum cleaner or other suitable means. Decontaminate area with a mercury decontaminant. Keep collected mercury for proper disposal.

### WASTE DISPOSAL METHOD:

Dispose in accordance with all Federal, State, and local environmental regulations.

### PRECAUTIONS FOR HANDLING AND STORAGE:

Keep containers tightly closed and store in a cool, dry area, away from fire hazards.

---

## SECTION VIII. CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH Approved respirator needed if OSHA PEL is exceeded.

VENTILATION: Use general or local exhaust ventilation to meet PEL requirements.

PROTECTIVE EQUIPMENT REQUIREMENTS: Eye protection, impervious gloves and clothing recommended. Clothing should be removed at end of workday and washed thoroughly.

WORK/HYGIENIC PRACTICES: No smoking or eating in area. Shower or bathe every day.