

Material Safety Data Sheet Mercury (II) Bromide, P.A.

MSDS# 00937

Section 1 - Chemical Product and Company Identification

MSDS Name: Mercury (II) Bromide, P.A.

AC190490000, AC190490050, AC190491000, AC190495000 Catalog Numbers:

Synonyms: Mercuric Bromide

Acros Organics BVBA

Company Identification: Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium

Acros Organics

One Reagent Lane Company Identification: (USA)

Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01 For information in Europe, call: +32 14 57 52 11 Emergency Number, Europe: +32 14 57 52 99 Emergency Number US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300 CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 7789-47-1

Chemical Name: MERCURIC BROMIDE

%: app. 100 232-169-3 EINECS#:

T+ Hazard Symbols:



Risk Phrases: 26/27/28 33

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! May be fatal if swallowed. May be fatal if absorbed through the skin. Highly toxic. May cause kidney damage. Poison! May cause central nervous system effects. Causes eye and skin irritation. Causes digestive and respiratory tract irritation. May cause reproductive and fetal effects. Target Organs: Kidneys, central nervous system.

Potential Health Effects

Contact may cause severe eye irritation and possible eye damage. Eye:

May cause severe skin irritation. May be fatal if absorbed through the skin. Exposure to bromides may cause Skin:

rashes, especially of the face (resembling acne) and boils.

May be fatal if swallowed. Poison by ingestion. May cause kidney damage. May cause severe digestive tract Ingestion: irritation with abdominal pain, nausea, vomiting and diarrhea. Can cause nervous system damage.

May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed

Inhalation: lung edema. May cause effects similar to those described for ingestion. Inhalation of bromides may cause

irritation of the upper respiratory tract and lung tissue.

Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion. Chronic Chronic: ingestion may cause bromism characterized by disturbances of the central nervous system, skin and digestive

tract.

Section 4 - First Aid Measures

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower Eyes:

eyelids. Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed.

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while Skin:

removing contaminated clothing and shoes. Wash clothing before reuse.

Call a poison control center. If swallowed, do not induce vomiting unless directed to do so by medical Ingestion:

personnel. Never give anything by mouth to an unconscious person. Get medical aid.

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give

artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If

breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag

and a mask.

Notes to Physician:

Inhalation:

The use of Dimercaprol or BAL (British Anti-Lewisite) as a chelating agent should be determined by qualified Antidote:

medical personnel.

Section 5 - Fire Fighting Measures

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by General thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Contact with Information: metals may evolve flammable hydrogen gas. Containers may explode when heated. Non-combustible,

substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

Do NOT get water inside containers. For small fires, use dry chemical, carbon dioxide, or water spray. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. Cool containers with

flooding quantities of water until well after fire is out.

Extinguishing Media:

> Autoignition Not available. Temperature:

Flash Point: Not available

Explosion Not available Limits: Lower:

Explosion Not available Limits: Upper:

NFPA Rating: health: 3; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

General Use proper personal protective equipment as indicated in Section 8. Information:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then Spills/Leaks:

place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate Handling: ventilation. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale. Store protected from light.

Do not store in direct sunlight. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away Storage: from incompatible substances. Do not store in metal containers.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
MERCURIC BROMIDE		0.05 mg/m3 TWA (vapor, except	none listed
	under Mercury	organo alkyls, as	
1	inorganic	Hg) (listed	1
	compounds).Skin	under Mercury	

OSHA Vacated PELs: MERCURIC BROMIDE: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face

protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a

Respirators: NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if

irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Color: white

Odor: none reported

pH: Not available

Vapor Pressure: .61 mm Hg @ 25 deg C

Vapor Density: Not available Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 322.2 deg C (611.96°F)

Freezing/Melting Point: 236.1 deg C (456.98°F)

Decomposition Temperature: Not available

Solubility in water: Slightly soluble in water.

Specific Gravity/Density: 6.1090 Molecular Formula: Br2Hg

Molecular Weight: 360.398

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: High temperatures, incompatible materials, light, dust generation.

Incompatibilities with Other Materials Not available

Hazardous Decomposition Products Hydrogen bromide, mercury/mercury oxides.

Hazardous Polymerization Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 7789-47-1: OV7415000

RTECS:

CAS# 7789-47-1: Oral, mouse: LD50 = 35 mg/kg;

LD50/LC50: Oral, rat: LD50 = 40 mg/kg;

Skin, rat: LD50 = 100 mg/kg;

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Carcinogenicity: MERCURIC BROMIDE - IARC: Group 3 (not classifiable) (Mercury inorganic compounds).

Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other: For more information, see "HANDBOOK OF ENVIRONMENTAL FATE AND EXPOSURE DATA."

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: MERCURY BROMIDES

Hazard Class: 6.1 UN Number: UN1634 Packing Group: II Canada TDG

Shipping Name: Not available

Hazard Class: UN Number: Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T+

Risk Phrases:

R 26/27/28 Very toxic by inhalation, in contact with skin and if swallowed.

R 33 Danger of cumulative effects.

Safety Phrases:

S 13 Keep away from food, drink and animal feeding stuffs.

S 28 After contact with skin, wash immediately with...

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 7789-47-1: 3

Canada

CAS# 7789-47-1 is listed on Canada's DSL List

Canadian WHMIS Classifications: D1A, D2B, D2A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 7789-47-1 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 7789-47-1 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 4/29/1999 Revision #5 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied,

with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
