

# PHENYLMERCURIC ACETATE

0540

December 2000

CAS No: 62-38-4

RTECS No: OV6475000

UN No: 1674

EC No: 080-011-00-5

Phenylmercury(II) acetate

Phenylmercury acetate

Acetoxyphenylmercury

PMA

$C_8H_8HgO_2 / CH_3COOHgC_6H_5$

Molecular mass: 336.7

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Flammable.	NO open flames, NO sparks, and NO smoking.	Powder, water spray, foam, carbon dioxide.
<b>EXPLOSION</b>	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	

EXPOSURE		STRICT HYGIENE!	IN ALL CASES CONSULT A DOCTOR!
<b>Inhalation</b>	Cough. Headache. Laboured breathing. Shortness of breath. Sore throat. Burning sensation.	Ventilation (not if powder), local exhaust, or breathing protection.	Fresh air, rest. Half-upright position. Refer for medical attention.
<b>Skin</b>	MAY BE ABSORBED! Redness. Skin burns. Pain. Blisters.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.
<b>Eyes</b>	Redness. Pain. Blurred vision. Severe deep burns.	Face shield, or eye protection in combination with breathing protection if powder.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>	Abdominal pain. Burning sensation. Diarrhoea. Nausea. Shock or collapse. Vomiting.	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Do NOT induce vomiting. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Remove all ignition sources. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting, then remove to safe place. Chemical protection suit including self-contained breathing apparatus.	<p><b>EU classification</b></p> <p>T Symbol</p> <p>N Symbol</p> <p>R: 25-34-48/24/25-50/53</p> <p>S: (1/2-)23-24/25-37-45-60-61</p> <p><b>UN classification</b></p> <p>UN Hazard Class: 6.1</p> <p>UN Pack Group: II</p>

EMERGENCY RESPONSE	SAFE STORAGE
Transport Emergency Card: TEC (R)-61G63b NFPA Code: H3; F1; R0	Separated from oxidants and food and feedstuffs. Cool. Dry. Well closed. Keep in a well-ventilated room.

**IPCS**

International Programme on Chemical Safety



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SEE IMPORTANT INFORMATION ON THE BACK.

### IMPORTANT DATA

**Physical State; Appearance**

ODOURLESS, HYGROSCOPIC WHITE OR WHITE-YELLOW CRYSTALLINE POWDER

**Physical dangers**

Dust explosion possible if in powder or granular form, mixed with air.

**Chemical dangers**

The substance decomposes on burning producing toxic vapours of mercury and mercury oxides. Reacts with strong oxidants.

**Occupational exposure limits**

TLV (as Hg): 0.1 mg/m<sup>3</sup> as TWA (skin) (ACGIH 1999).  
MAK: (Hg organic compounds) skin absorption (H); sensitization of skin (Sh); Carcinogen category: 3B (DFG 2006).

**Routes of exposure**

The substance can be absorbed into the body by inhalation of its aerosol, through the skin, and by ingestion.

**Inhalation risk**

Evaporation at 20/C is negligible; a harmful concentration of airborne particles can, however, be reached quickly on spraying.

**Effects of short-term exposure**

The substance is corrosive to the eyes, the skin and the respiratory tract. Corrosive on ingestion. The substance may cause effects on the kidneys, resulting in renal failure. The effects may be delayed. See Notes. Medical observation is indicated.

**Effects of long-term or repeated exposure**

Repeated or prolonged contact with skin may cause skin sensitization. The substance may have effects on the nervous system and kidneys, resulting in nervous disturbance and kidney impairment.

### PHYSICAL PROPERTIES

Melting point: 148-153/C

Solubility in water, g/100 ml at 20/C: 0.44

Vapour pressure, Pa at 25/C: 0.016

Relative vapour density (air = 1): 11.6

Relative density of the vapour/air-mixture at 20/C (air = 1): 1

Flash point: 37.8/C c.c.

### ENVIRONMENTAL DATA

The substance is very toxic to aquatic organisms. This substance may be hazardous to the environment; special attention should be given to water and soil. In the food chain important to humans, bioaccumulation takes place, specifically in fish, crustacea and birds. Avoid release to the environment in circumstances different to normal use.

### NOTES

Explosive limits are unknown in literature, although the substance is combustible and has a flash point < 55/C.

The symptoms of renal failure do not become manifest until a few hours have passed.

Depending on the degree of exposure, periodic medical examination is indicated.

Do NOT take working clothes home.

Cerosol, Cosan, Gallotox, Liquiphene, Mersolite, Nylmerate, Riogen, Scutl, Tag Fungicide, Tag-HL-331 are trade names.

Card has been partially updated in August 2007: see Occupational Exposure Limits.

### ADDITIONAL INFORMATION

#### LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information