

# Safety data sheet

according to 1907/2006/EC, Article 31

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Printing date 06/26/2014

Revision: 06/26/2014

Version number 11

## 1 Identification of the substance/mixture and of the company/undertaking

- Product identifier
- Trade name: phenylmercury nitrate
- Article number: 700459
- CAS Number:  
55-68-5
- EC number:  
200-242-9
- Index number:  
080-008-00-9
- Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
- Application of the substance / the mixture Skin disinfectant
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
Fagron  
2400 Pilot Knob Road  
St. Paul, MN 55120  
[www.fagron.us](http://www.fagron.us)
- Further information obtainable from:  
Tel: 800-423-6967  
Fax: 800-339-1596
- Emergency telephone number: 800-423-6967

## 2 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS06 skull and crossbones

Acute Tox. 3 H301 Toxic if swallowed.



GHS08 health hazard

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC



T; Toxic

R25-48/24/25: Toxic if swallowed. Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.

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C; Corrosive

R34: Causes burns.



N; Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Information concerning particular hazards for human and environment: Not applicable.

· Label elements

· Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

· Hazard pictograms GHS05, GHS06, GHS08

· Signal word Danger

· Hazard statements

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H372 Causes damage to organs through prolonged or repeated exposure.

· Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/...

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P310 Immediately call a POISON CENTER/doctor/...

P321 Specific treatment (see on this label).

· Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

## 3 Composition/information on ingredients

· Chemical characterization: Substances

· CAS No. Description

55-68-5 phenylmercury nitrate

· Identification number(s)

· EC number: 200-242-9

· Index number: 080-008-00-9

## 4 First aid measures

· Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

In case of irregular breathing or respiratory arrest provide artificial respiration.

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- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:  
Seek immediate medical advice.  
Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:  
Call a doctor immediately.  
Do not induce vomiting; call for medical help immediately.  
Drink plenty of water and provide fresh air. Call for a doctor immediately.
- Information for doctor:  
· Most important symptoms and effects, both acute and delayed No further relevant information available.  
· Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

## 5 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents:  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture In case of fire, the following can be released:
- Advice for firefighters
- Protective equipment: No special measures required.

## 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures  
Ensure adequate ventilation  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- Reference to other sections  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- Handling:  
· Precautions for safe handling  
Keep receptacles tightly sealed.  
Thorough dedusting.

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- Ensure good ventilation/exhaustion at the workplace.
- Information about fire - and explosion protection: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles.
  - Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions:
  - Store in dry conditions.
  - Store under lock and key and with access restricted to technical experts or their assistants only.
  - Store in cool, dry conditions in well sealed receptacles.
- Specific end use(s) No further relevant information available.

## 8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Control parameters

· Ingredients with limit values that require monitoring at the workplace:

55-68-5 phenylmercury nitrate

PEL	Long-term value: 0.1 mg/m <sup>3</sup> as Hg; see OSHA standard interpretation memo
REL	Ceiling limit: 0.1 mg/m <sup>3</sup> as Hg; Skin
TLV	Long-term value: 0.1 mg/m <sup>3</sup> as Hg; Skin

- Additional information: The lists valid during the making were used as basis.
- Exposure controls
- Personal protective equipment:
  - General protective and hygienic measures:
    - Keep away from foodstuffs, beverages and feed.
    - Immediately remove all soiled and contaminated clothing
  - Respiratory protection:
    - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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- Penetration time of glove material  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:



Tightly sealed goggles

- Body protection: Protective work clothing

## 9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Appearance:

Form:	Powder
Colour:	White
· Odour:	Characteristic
· Odour threshold:	Not determined.

- pH-value: Not applicable.

- Change in condition

Melting point/Melting range:	176 - 186 °C (349 - 367 °F)
Boiling point/Boiling range:	Undetermined.

- Flash point: Not applicable.

- Flammability (solid, gaseous): Product is not flammable.

- Ignition temperature:

Decomposition temperature:	Not determined.
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- Self-igniting: Not determined.

- Danger of explosion: Product does not present an explosion hazard.

- Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

- Vapour pressure: Not applicable.

- Density:

Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.

- Solubility in / Miscibility with  
water at 20 °C (68 °F):

0.8 g/l

- Partition coefficient (n-octanol/water): Not determined.

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- |                     |  |
|---------------------|--|
| · Viscosity:        |  |
| Dynamic:            | Not applicable.                            |
| Kinematic:          | Not applicable.                            |
| · Other information | No further relevant information available. |

## 10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: Possible in traces.

## 11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
  - on the skin: Caustic effect on skin and mucous membranes.
  - on the eye: Strong caustic effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

## 12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Ecotoxicological effects:
- Remark: Very toxic for fish
- Additional ecological information:
- General notes:  
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Must not reach sewage water or drainage ditch undiluted or unneutralized.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms

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- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

## 13 Disposal considerations

- Waste treatment methods
- Recommendation  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

## 14 Transport information

· UN-Number	UN1895
· ADR	
· UN proper shipping name	1895 PHENYLMERCURIC NITRATE, ENVIRONMENTALLY HAZARDOUS
· ADR	
· Transport hazard class(es)	
· ADR	
	
· Class	6.1 Toxic substances.
· Packing group	
· ADR	II
· Environmental hazards:	Environmentally hazardous substance, solid
· Marine pollutant:	No
· Special marking (ADR):	Symbol (fish and tree)
· Special precautions for user	Warning: Toxic substances.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	500 g
· Transport category	2
· Tunnel restriction code	D/E

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· UN "Model Regulation": UN1895, PHENYLMERCURIC NITRATE, ENVIRONMENTALLY HAZARDOUS, 6.1, II

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations:

Class	Share in %
I	100.0

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS:

Fagron US

Quality Assurance

- Contact: [martin.erickson@fagron.us](mailto:martin.erickson@fagron.us)

- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

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