

DR. J. PHARMACHEM PVT. LTD.

Regd. Office : 722/AB/15, "Nirmal", Laxmi Park Colony, Navi Peth, Pune - 411030, India

Telephone : +91 (20) 24530071

Email : info@jpharmachem.com, Web : www.jpharmachem.com

Factory : Plot No. - 311, Sector- 10, Bhosari, Pune, India, 411035



(an ISO 9001:2016 Certificate Company)

Safety Data Sheet

PHENYLMERCURIC NITRATE

Revision date :

Page: 1/8

Version : 3.0

NUMBER

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Chemical Name	Phenylmercuric Nitrate
CAS NO.	8003-05-2

Relevant identified uses of the substance or mixture and uses advised against

1. Phenyl Mercuric Nitrate used as preservative in cosmetic, ophthalmic or pharmaceutical preparations and as antiseptics.
2. It is used along with phenyl mercuric acetate in piroxicam based ophthalmic preparation.
3. It is used along with chloramphenicol and dexamethasone is eye and ear drops.

Details of the supplier of the safety data sheet

COMPANY

DR. J. PHARMACHEM PVT LTD
722/AB/15, "NIRMAL", Laxmi Park Colony, Navi
Peth,
Pune - 411030
Maharashtra, India
Telephone : +91-20-24530071
Email - sales@jpharmachem.com

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Environment	Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 1)
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Toxic if swallowed. Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed. Causes burns. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word

Danger

H301

Toxic if swallowed.

H314

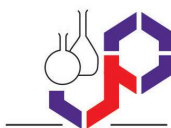
Causes severe skin burns and eye damage.

H372

Causes damage to organs through prolonged or repeated exposure.

H410

Very toxic to aquatic life with long lasting effects.



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P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing
P310	Immediately call a POISON CENTER or doctor/ physician
P501	Dispose of contents/ container to an approved waste disposal plant.

Hazard symbol(s)



R-phrases(s)

R25	Toxic if swallowed.
R34	Causes burns.
R48/24/25	Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.
R50/53	Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S23	Do not breathe gas/fumes/vapour/spray.
S24/25	Avoid contact with skin and eyes.
S37	Wear suitable gloves.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60	This material and its container must be disposed of as hazardous waste.

Other hazards

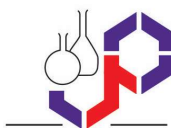
None

3 COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Component

Chemical Name	Phenylmercuric Nitrate
CAS NO	8003-05-2
EC Number	200-242-9



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Molecular Formula	C ₁₂ H ₁₁ Hg ₂ NO ₄
Molecular Weight	634.4 g/mol.
Concentration	99 % Min. (Other unknown impurities up to 1%)

4 FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician.
Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air.
If not breathing, give artificial respiration.
Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
Take victim immediately to hospital.
Consult a physician

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do not induce vomiting.
Never give anything by mouth to an unconscious person.
Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

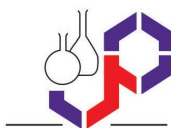
Carbon oxides, nitrogen oxides (NO_x),
Mercury/mercury oxides.

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

No data available



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6 ACCIDENTAL RELEASE MEASURES

Personal precautions protective equipment and emergency procedures

Wear respiratory protection.
Avoid dust formation.
Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Evacuate personnel to safe areas.
Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so.
Do not let product enter drains.
Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust.
Sweep up and shovel.
Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes.
Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.

Information about protection against explosions and fires

No data available

Conditions for safe storage including any incompatibilities

Store in cool place.
Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

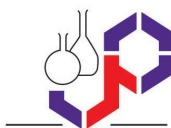
Control parameters

Ingredients Comments

No data available

Appropriate engineering controls

Avoid contact with skin, eyes and clothing.



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Wash hands before breaks and immediately after handling the product.

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves

Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection

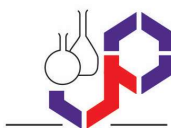
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White or pale yellow Powder
b) Odour	No data available
c) Odour Threshold	No data available
d) pH (% solution in water)	No data available
e) Melting point/freezing point	175 - 185 Å°C
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid or gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available



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l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	Slightly Soluble
o) Partition coefficient: n-octanol/water	No data available
p) Autoignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information

Bulk Density	No data available
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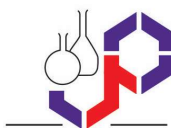
10 STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	No data available
Hazardous decomposition products	No data available

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	LD50 Subcutaneous - Rat - 56 mg/kg
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
IARC	No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	No data available



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Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Signs and symptoms of exposure	No data available
Inhalation	Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Ingestion	Toxic if swallowed. Causes burns.
Skin	Toxic if absorbed through skin. Causes skin burns.
Eyes	Causes eye burns.
RTECS	OW8400000

12 ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	
Biodegradation	
No data available	
Bio accumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	Very toxic to aquatic life.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

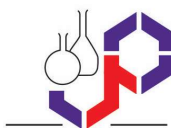
Product

Offer surplus and non-recyclable solutions to a licensed disposal company.
Contact a licensed professional waste disposal service to dispose of this material.
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION



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UN number

ADR/RID

IMDG

IATA

1895

1895

1895

UN proper shipping name

ADR/RID

IMDG

IATA

PHENYLMERCURIC NITRATE

PHENYLMERCURIC NITRATE

PHENYLMERCURIC NITRATE

Transport hazard class(es)

ADR/RID

IMDG

IATA

6.1

6.1

6.1

Packaging group

ADR/RID

IMDG

IATA

II

II

II

Environmental hazards

ADR/RID

IMDG Marine pollutant

IATA

Yes

Yes

No

Special precautions for user

No data available

15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety health and environmental regulations/legislation specific for the substance or mixture

No data available

Chemical Safety Assessment

No data available

16 OTHER INFORMATION

Month of Creation

Sept 2022

Month of Revision

Sept 2026