Material Safety Data Sheet

PHENYL MERCURY ACETATE FOR SYNTHESIS (RXSOL-60-6605-224)

1. Product and Company Identifaction

Product Name	PHENYL MERCURY ACETATE FOR SYNTHESIS
Part Number	RXSOL-60-6605-224

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai, Chennai, Vizag , Kolkata, UAE, OMAN and KENYA

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2. Composition / informationon ingredients

Chemical Name	EC-No	CAS number	Formula	Weight %
Phenylmercury acetate	200-532-5	62-38-4	C8H8HgO2	100 %

3. Hazards Identification

Signal Word	Danger
Classification according to Regulation (EC) No 1272/2008	Acute toxicity, Oral (Category 2), H300 Skin corrosion (Sub-category 1B), H314 Serious eye damage (Category 1), H318 Specific target organ toxicity - repeated exposure (Category 1), Kidney, Central nervous system, H372 Short-term (acute) aquatic hazard (Category 1), H400 Long-term (chronic) aquatic hazard (Category 1), H410
Hazard statement(s)	H300 Fatal if swallowed. H314 Causes severe skin burns and eye damage. H372 Causes damage to organs (Kidney, Central nervous system) through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement(s)	P260 Do not breathe dust. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Supplemental Hazard Statements none
Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

4. First Aid Measures

General notes	First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.
If inhaled	After inhalation: fresh air. Call in physician.
Skin Contact	First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.
Eye Contact	Flush thoroughly with water. If irritation occurs, get medical assistance.
If inhaled	After inhalation: fresh air. Call in physician..
In case of skin contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.
In case of eye contac	After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.
Notes to Physician	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

If swallowed	If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible. Do not attempt to neutralise
	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

Suitable extinguishing media	Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	Carbon oxides Mercury/mercury oxides. Combustible. Development of hazardous combustion gases or vapours possible in the event of fire
Advice for firefighters	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.
Personal Protection	NA
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Handling	For precautions see section 2.2.
Storage conditions	Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons. Light sensitive.
Storage class	Only packagings which are approved (e.g. acc. to ADR) may be used. Storage class (TRGS 510): 6.1A: Combustible, acute toxic Cat. 1 and 2 / very toxic hazardous material
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls and personal protection

Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles
Skin protection This recommendat	This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Splash contact Aldrich- P27127 Page 6 of 13 The life science business of Merck operates as MilliporeSigma in the US and Canada Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L
Body Protection	Protective clothing

Respiratory protection	Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P3 The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
Control of environmental exposure	If contact is likely, safety glasses with side shields are recommended.
Skin and Body Protection	Do not let product enter drains
Environmental contols	Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.



Suit



Gloves

9. Physical and chemical properties

Physical State	Powder
Colour	Beige
Odour	No data available
Melting point/freezing point	Melting point/range: 148 - 151 °C - lit.
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Flash Point	No data available
Density (at 15 ºC)	No data available
Evaporation Rate	No data available
pH	No data available
Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Water solubility	No data available
Partition coefficient:octanol/water	Log Pow: 5
Other safety information	No data available

10. Stability and reactivity

Reactivity	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	Violent reactions possible with: Strong oxidizing agents Strong acids strong reducing agents increased reactivity with: Aluminu
Conditions to avoid	No information available
Incompatible materials	Aluminum
Hazardous decomposition products	In the event of fire: see section 5

11. Toxicological information

Information on toxicological effects Acute toxicity	Acute toxicity estimate Oral - 41 mg/kg (Calculation method) LD50 Oral - Rat - 41 mg/kg Inhalation: No data available Dermal: No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	Eyes - Rabbit Result: Severe eye irritation

Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Test Type: Mouse Test system: lymphocyte Remarks: Other mutation test systems Test Type: Mouse Test system: lymphocyte Remarks: DNA inhibition Test Type: Human Test system: lymphocyte Remarks: Sister chromatid exchange Species: Pig Application Route: Oral Remarks: Cytogenetic analysis
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure. - Kidney, Central nervous system
Aspiration hazard	No data available
Lactation	No end point data for material.
Single Exposure	NA
Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. RTECS: OV6475000 Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomitin.

12. Ecological information

Toxicity	Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 0,0090 mg/l - 96,0 h Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia pulex (Water flea) - 0,005 mg/l - 3 h Toxicity to algae Growth inhibition EC50 - Anabaena flosaquae - 0,006 mg/l - 24 h
Persistence and degradability	No data available
Biodegradation	Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 96 h - 5 µg/l(Phenylmercury acetate) Bioconcentration factor (BCF): 100
Mobility in soil	No data available
Results of PBT and vPvB assessmen	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher
Atmospheric Oxidation	NA

13. Disposal considerations

Waste treatment method	NA.

14. Transport information

UN number	ADR/RID: 1674 IMDG: 1674 IATA: 1674
UN proper shipping name	ADR/RID: PHENYLMERCURIC ACETATE IMDG: PHENYLMERCURIC ACETATE IATA: Phenylmercuric acetate
Transport hazard class(es)	ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1
Environmental hazards	ADR/RID: yes IMDG Marine pollutant: yes IATA: no
Packaging group	ADR/RID: II IMDG: II IATA: II
Special precautions for user	Tunnel restriction code : (D/E) Further information : No data available

15. Regulatory information

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

Authorisations and/or restrictions on use REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	Phenylmercury acetate
National legislation Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	ACUTE TOXI
Other regulations	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and weassume 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 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 Rx Marine International has been advised of the possibility of such damages.