

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifier

Code: 09MM

Product name: Phenelzine sulfate

Other names: phenethylhydrazine sulphate

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

PREPARATION OF MEDICINE

1.3 Details of the supplier of the safety data sheet:

PROCOS SpA

Via Matteotti 249


28062 Cameri (NO)

tel: +39 0321 642 211

fax: +39 0321 642 219

competent person responsible for the safety data sheet - e-mail: hse@procos.it

1.4 Emergency telephone number

For medical Emergency Response 24 Hours a day  **Worldwide Intl. + 01- 813-248-0585 or in North America 1-800-255-3924**
PROCOS SpA contract number MIS0007550

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance:

The substance is classified as hazardous pursuant to the provisions set forth in directive 67/548/CE and 1999/45/CE and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Regulation n° 1272/2008/CE

Acute Tox. 3

Regulation n° 648/67/CE

toxic if swallowed

2.2 Label elements:

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Pictograms:



Signal word: Danger

Hazard indication:

H301 – Toxic if swallowed

Precautionary statement:

P261 – avoid breathing dust

P280 – Wear protective gloves, clothing and face protection.

P301+310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P312 – Call POISON CENTER or doctor/physician if you feel unwell.

P304+340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P403+233 – Store in a well-ventilated place. Keep container tightly closed.

2.3 other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Contains:

Identification	Conc%	Classification 67/548/EEC	Classification 1272/2008 (CLP)
Phenelzine Sulfate	100	T	Acute Tox. 3 H301
CAS: 156-51-4		R25	
RTECS: MV8750000		S22-36/37/39-45	
EINECS: 205-856-0			

The full wording of the risk (R) and hazard (H) phrases is given in section 16 of the sheet.

3.2 Mixtures: not applicable

4. FIRST AID MEASURES

4.1 Description of the first aid measures

Inhalation:

Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

Skin contact:

Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention immediately.

Eyes contact:

Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention immediately.

Ingestion:

If swallowed, wash out mouth with water provided person is conscious. Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration.

4.2. Most important symptoms and effects, both acute and delayed

For symptoms and effects caused by the contained substances see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

chemical powder, carbon dioxide, spray water, and chemical foam. With a more extensive fire, use spray water or foam.

5.2. Special hazards arising from the substance or mixture

Slight fire hazard when exposed to heat or flame. Dust-air mixtures may ignite or explode. Thermal decomposition products may include carbon monoxide, carbon dioxide, nitrogen oxides and sulphur oxide.

5.3. Advice for fire-fighters

remove container from the endangered area if it is possible without danger. Don't use high pressure water jets, in order to avoid scattering material. Dispose of water used to extinguish fire. Avoid inhaling vapours, keep downwind.

6. ACCIDENTAL RELEASE MEASURES

Remove any ignition source. Wear protective clothing, gloves and goggles. Pick up without raising dust. Keep contaminated material tightly closed containers. Wash with water. Don't throw this substance in sewer or ground water.

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing, gloves and goggles. Evacuate area. Remove any ignition source.

6.2. Environmental precautions

Don't throw this substance in sewer or ground water.

6.3. Methods and material for containment and cleaning up

Pick up without raising dust. Keep contaminated material tightly closed containers. Wash with water.

6.4. Reference to other sections

7. HANDLING AND STORAGE

handling in ventilated area; avoid raising dust. Wear personal protective equipment (refer to section 8) before handling substance. Wash thoroughly after handling

7.1. Precautions for safe handling

handling in ventilated area; avoid raising dust. Wear personal protective equipment (refer to section 8) before handling substance. Avoid contact with skin and eyes. Avoid breathing dust. Wash thoroughly after handling. Ensure good ventilation and local exhaust.

7.2. Conditions for safe storage, including any incompatibilities

Store out of sunlight and keep at room temperature.

7.3. Specific end use(s).

Information not available

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

Information not available

8.2. Exposure controls

supply places with exhaust ventilation system. In presence of explosive concentrations of dust, vapour or fumes, the ventilation system must be explosion-proof.

Hand protection:

wear heavy rubber gloves.

Eyes protection:

Employee must wear splash-proof or dust-resistant safety goggles to prevent the substance getting into eyes. Specific equipment must be available at the workplace: where contact between workers and the substance is possible, employer must have safety shower and eye bath available within the immediate work area for emergency use.

Skin protection:

wear suitable protective apparatus and protective clothing to prevent contact with substance.

Respiratory protection:

The following respirators are recommended based on information found in the physical data, toxicity and health effects sections. They are ranked in order from minimum to maximum respiratory protection. The specific respirator selected must be based on contamination levels found in the work place, on the specific operation, it must not exceed the working limits of the respirator and must be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

Any dust or mist respirator.

Any air-purifying respirator with a high-efficiency particulate filter.

Any powered air-purifying respirator with a dust or mist filter.

Any powered air-purifying respirator with a high-efficiency particulate filter.

Any type 'C' supplied-air respirator operated in the pressure-demand or other positive pressure or continuous-flow mode.

Any self-contained breathing apparatus.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information:

appearance: crystalline powder

colour: white

odour: not available

pH: not available

melting point: 164°-168°C

boiling point: not available

distillation range: not available

flash point: not available

evaporation rate: not available

flammability of solids and gases: not available

lower inflammability: not available

upper inflammability: not available

lower explosive limit: not available

upper explosive limit: not available
vapour pressure: not available
vapour density: not available
specific gravity: not available
solubility: not available
 see below
partition coefficient: n-octanol/water: not available
ignition temperature: not available
decomposition temperature: not available
viscosity: not available
reactive properties: not available
 not available
water solubility: soluble
solvent solubility: not available

9.2 Other information:

molecular weight: 234.3
molecular formula: $C_8H_{12}N_2 \cdot H_2O_4S$

10. STABILITY AND REACTIVITY

10.1 Reactivity:

not available

10.2 Chemical stability:

Stable under normal temperature and pressure.

10.3 Possibility of hazardous reactions:

Hazard polymerization has not been reported to occur under normal temperatures and pressure

10.4 Conditions to avoid:

May burn but does not ignite readily. Avoid contact with strong oxidizers, strong bases, excessive heat, sparks, or open flame. Protect against electrostatic charges.

10.5 Incompatible materials:

.Strong oxidizers: fire and explosion hazard.

10.6 Hazardous decomposition products:

thermal decomposition products may include carbon monoxide, carbon dioxide, nitrogen oxides and sulphur oxide.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute effects:

the substance is toxic if swallowed.

Target organs:

Data not available

RTECS NO:

MV8750000

Toxicological Data:

LD50 (orl-rat): 210 mg/Kg

ANYAA9, 107,899,1963

Target organs data:

PHENELZINE SULFATE

Code: 09MM

Revision date: 03.04.2013

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Data not available

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

data not available

12.2 Persistence and degradability:

data not available

12.3 Bioaccumulative potential:

data not available

12.4 Mobility in soil:

data not available

12.5 Results of PBT and vPvB assessment:

data not available

12.6 Other adverse effects

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Information not available

14. TRANSPORT INFORMATION

14.1. UN number: 2811

14.2. UN proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (phenelzine sulfate)

14.3. Transport hazard class(es): 6.1

14.4. Packing group: III

14.5. Environmental hazards: Information not available

14.6. Special precautions for user: Information not available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Information not available

14.8. Packing Instruction (IATA): 670

15. REGULATORY INFORMATION

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

Seveso regulation (Directive 96/82/EC): Annex I – part. 2 .

Candidate list (art. 59- REACH): none

Ozone depletion substance (2000/2037/EC): none

Import/export dangerous chemical (2008/689/EC): none

15.2. Chemical safety assessment: not available