

# Material Safety Data Sheet

According to (EC) No 1907/2006 (REACH) and 1272/2008 (CLP)

## PHENELZINI SULFAS

EN

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name:	Phenelzine sulfate Phenelzini sulfas Fenelzinesulfaat Phénelzine (sulfate de) Phenelzinsulfat
N° CAS:	156-51-4
N° EC:	205-856-0

#### 1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses:	Active Pharmaceutical Ingredient or Excipient.
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#### 1.3 Details of the supplier of the safety data sheet

Company:	FAC SECUNDUM ARTEM NV Oostmalsebaan 1c (unit 5) 2960 Sint-Lenaarts Belgium
Telephone:	(+32) (0)3 457 11 76
Email:	info@magis-pharma.be
Web page:	www.magis-pharma.be

#### 1.4 Emergency telephone number

Public utility foundation:	Belgisch Antigifcentrum	Centre Antipoisons Belge
Telephone:	(+32) (0)70 245 245	(Service 24/7)
Web page:	www.antigifcentrum.be	www.centreantipoisons.be

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance/mixture

##### Classification according to (EC) n° 1272/2008

Acute Tox .3	H301
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#### 2.2 Label elements

##### Labelling according to (EC) n° 1272/2008

Hazard pictogram(s):



Signal word(s): Danger

Hazard statements:

H301 Toxic if swallowed.

Precautionary statements:

P261 Avoid breathing dust.

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P280	Wear protective gloves, clothing and face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P312	Call POISON CENTER or doctor/physician if you feel unwell.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
Additional applicable label elements:	

### 2.3 Other hazards

Not available.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Product name:	Phenelzine sulfate
IUPAC name:	2-phenylethylhydrazine;sulfuric acid
Synonyms:	Phenelzine hydrogen sulphate Estinerval Nardelzine Kalgan Phenethylhydrazine sulfate
N° CAS:	156-51-4
N° EC:	205-856-0
Molecular Formula:	$C_8H_{12}N_2 \cdot H_2SO_4$
Content:	98.0 percent to 102.0 percent (calculated on the dried basis)

### 3.2 Mixtures

Not applicable.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

After 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.
After 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.
After eye 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.
After ingestion:	

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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 section 11.

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

Not available.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: Chemical powder, carbon dioxide, spray water, and chemical foam. With a more extensive fire, use spray water or foam.

Unsuitable extinguishing media: Not available.

### 5.2 Special hazards arising from the substance/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 firefighters

Surrounding fires: 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.

Protection against fire: Not available.

Hazardous combustion products: Not available.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

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

#### For emergency responders

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

Not available.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

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

### 7.2 Conditions for safe storage, including any incompatibilities

Storage:	In tight container.
Conditions for safe storage, including any incompatibilities:	Store out of sunlight and keep at room temperature.
Storage – away from:	Store protected from heat and light.

### 7.3 Specific end use(s)

Active Pharmaceutical Ingredient or Excipient

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Not available.

### 8.2 Exposure controls

#### Appropriate engineering control

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

#### Individual protection measures

Eye/face 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.
Hand protection:	Wear heavy rubber gloves.
Respiratory protection:	<p>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).</p> <p>Any dust or mist respirator.</p> <p>Any air-purifying respirator with a high-efficiency particulate filter.</p> <p>Any powered air-purifying respirator with a dust or mist filter.</p> <p>Any powered air-purifying respirator with a high-efficiency particulate filter.</p>

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

Any self-contained breathing apparatus.

Thermal hazards: Not determined.

### Environmental exposure control

Not available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	White, crystalline powder
Odour:	Not available.
Odour threshold:	Not available.
pH:	Between 1.4 and 1.9, in a solution (1 in 100)
Melting/freezing point:	164 °C to 168 °C
Initial boiling point:	Not available.
Boiling range:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Flammability (solid/gas):	Not available.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	Not available.
Solubility:	Practically insoluble in alcohol. Practically insoluble in chloroform. Practically insoluble in ether.
Solubility in water:	Freely soluble in water.
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not available.
Oxidising properties:	Not available.

### 9.2 Other information

Not available.

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### SECTION 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 polymerisation 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.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Acute toxicity:	The substance is toxic if swallowed. Oral LD <sub>50</sub> 210 mg/kg (rat) (ANYAA9, 107,899,1963)
Skin corrosion/irritation:	Not available.
Serious eye damage/irritation:	Not available.
Respiratory/skin sensitisation:	Not available.
Germ cell mutagenicity:	Not available.
Carcinogenicity:	Not available.
Reproductive toxicity:	Not available.
Summary of evaluation of the CMR properties:	Not available.
STOT-single exposure:	Not available.
STOT-repeated exposure:	Not available.
Aspiration Hazard:	Not available.
Other:	RTECS NO: MV8750000

#### 11.2 Additional information on potential adverse human health effects and symptoms

Eye contact:	Not available.
Skin contact:	Not available.
Inhalation:	Not available.

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Ingestion: Toxic if swallowed.

Aspiration: Not available.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Not available.

#### 12.2 Persistence and degradability

Not available.

#### 12.3 Bioaccumulative potential

Not available.

#### 12.4 Mobility in soil

Not available.

#### 12.5 Results of PBT and vPvB assessment

Not available.

#### 12.6 Other adverse effects

Not available.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Not available.

### SECTION 14: TRANSPORT INFORMATION

#### Transport information according to ADR/RID/IMDG/ICAO/IATA

##### 14.1 UN Number

ADR/ RID(Land),IMDG(Sea), 2811  
IATA/ICAO (Air) :

##### 14.2 UN proper shipping name

ADR/ RID(Land),IMDG(Sea), TOXIC SOLID, ORGANIC, N.O.S. (phenelzine sulfate)  
IATA/ICAO (Air) :

##### 14.3 Transport hazard class(es)

ADR/ RID(Land),IMDG(Sea), 6.1  
IATA/ICAO (Air) :

##### 14.4 Packing group

ADR/ RID(Land),IMDG(Sea), III  
IATA/ICAO (Air) :

##### 14.5 Environmental hazards

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ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not available.

### 14.6 Special precautions for user

Not available.

### 14.7 Transport in bulk according to annex II of Marpol and the IBC Code

Not available.

### 14.8 Additional transport information

Packing Instruction (IATA): 670

## SECTION 15: REGULATORY INFORMATION

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

Hazard symbol:



Toxic

Risk phrases:

R25 Toxic if swallowed.

Safety phrases:

S7/9 Keep container tightly closed and in a well-ventilated place.

S22 Do not breathe dust.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

S46 If swallowed, seek medical advice immediately and show this container or label.

### 15.2 Chemical safety assessment

Not available.

## SECTION 16: OTHER INFORMATION

### 16.1 Changes since the previous version

Not applicable.

### 16.2 Abbreviations and acronyms used

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EC (number):	European Community (number)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IMDG:	International Maritime Code for Dangerous Goods
IUPAC:	International Union of Pure and Applied Chemistry
PBT:	Persistent, Bioaccumulative and Toxic substance



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RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT:	Specific Target Organ Toxicity
UN (number):	United Nations (number)
vPvB:	very Persistent and very Bioaccumulative

### 16.3 Key literature references/sources for data

European Chemicals Agency.

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>

### 16.4 Method of classification in case of mixture

Not applicable.

### 16.5 Relevant Hazard statements and/or precautionary statements

For information on hazard and/or precautionary statements refer to section 2 up to and including section 15.

### 16.6 Training advisement

Not available.

### 16.7 Notice for user(s)

The information provided in this MSDS has been established in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council, on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

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### 16.8 Department issuing MSDS

Quality Department

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