SAFETY DATA SHEET

Version: 1.1
Revision Date: 2016-09-13
Print Date: 2016-09-13

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers
Product Number: P0091
Product name: S-Phenylmercapturic AcidN-acetyl-S-phenyl-L-cysteine
CAS Registry Nr: 4775-80-8

1.2 Relevant identified uses of the substance or mixture and uses advised against
Laboratory chemicals, Manufacture of substances.

1.3 Details of the supplier of the safety data sheet
Company: Chemodex AG
CH - 9000 St. Gallen
Switzerland, Europe
Tel: +41 71 244 48 25
Fax: +41 71 244 48 26
Email: info@chemodex.com
Website: www.chemodex.com

1.4 Emergency telephone number
Tox Info Suisse: +41 44 251 51 51

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements
Not a hazardous substance or mixture.
2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

3.1 Substances

<table>
<thead>
<tr>
<th>Formula:</th>
<th>C11H13NO3S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight:</td>
<td>239.29 g/mol</td>
</tr>
<tr>
<td>CAS-No.:</td>
<td>4775-80-8</td>
</tr>
</tbody>
</table>

No ingredients are hazardous according to OSHA criteria.
No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

4.1 Description of first aid measures

- **If inhaled**
  If breathed in, move person into fresh air. If not breathing, give artificial respiration.

- **In case of skin contact**
  Wash off with soap and plenty of water.

- **In case of eye contact**
  Wash off with soap and plenty of water.

- **If swallowed**
  Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx), Sulphur oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and material for containment and cleaning up
Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Store under inert gas.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls
Appropriate engineering controls
General industrial hygiene practice.

Personal protective equipment

Eye/face protection
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.

Body Protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>a) Appearance:</th>
<th>Form: crystalline</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Colour: white</td>
</tr>
<tr>
<td>b) Odour:</td>
<td>No data available</td>
</tr>
<tr>
<td>c) Odour Threshold:</td>
<td>No data available</td>
</tr>
<tr>
<td>d) pH:</td>
<td>No data available</td>
</tr>
<tr>
<td>e) Melting point/freezing point:</td>
<td>129 °C (264 °F)</td>
</tr>
<tr>
<td>f) Initial boiling point and boiling range:</td>
<td>No data available</td>
</tr>
<tr>
<td>g) Flash point:</td>
<td>No data available</td>
</tr>
<tr>
<td>h) Evaporation rate:</td>
<td>No data available</td>
</tr>
<tr>
<td>i) Flammability (solid, gas):</td>
<td>No data available</td>
</tr>
<tr>
<td>j) Upper/lower flammability or explosive limits:</td>
<td>No data available</td>
</tr>
<tr>
<td>k) Vapour pressure:</td>
<td>No data available</td>
</tr>
<tr>
<td>l) Vapour density:</td>
<td>No data available</td>
</tr>
<tr>
<td>m) Relative density:</td>
<td>No data available</td>
</tr>
<tr>
<td>n) Water solubility:</td>
<td>No data available</td>
</tr>
<tr>
<td>o) Partition coefficient (n-octanol/water):</td>
<td>log Pow : 1.359</td>
</tr>
<tr>
<td>p) Auto-ignition temperature:</td>
<td>No data available</td>
</tr>
<tr>
<td>q) Decomposition temperature:</td>
<td>No data available</td>
</tr>
<tr>
<td>r) Viscosity:</td>
<td>No data available</td>
</tr>
<tr>
<td>s) Explosive properties:</td>
<td>No data available</td>
</tr>
</tbody>
</table>
t) Oxidizing properties:  No data available

9.2 Other safety information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
Other decomposition products - no data available
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
No data available
Inhalation: no data available
Dermal: no data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: Not available

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**SECTION 12: Ecological information**

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

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**SECTION 13: Disposal considerations**

13.1 Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA Hazards

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
N-Acetyl-S-phenyl-L-cysteine
CAS-No. 4775-80-8
Revision Date

New Jersey Right To Know Components
N-Acetyl-S-phenyl-L-cysteine
CAS-No. 4775-80-8
Revision Date

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
SECTION 16: Other information

HMIS Rating
Health hazard: 0
Chronic Health Hazard:
Flammability: 0
Physical Hazard 0

NFPA Rating
Health hazard: 0
Fire Hazard: 0
Reactivity Hazard: 0

Further information
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