

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006  
GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

#### 1.1 Product identifiers

**Product Number:** P0103  
**Product name:** N-Phenylhydroxylamin  
**CAS Registry Nr:** 100-65-2

**REACH No.:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Laboratory chemicals, Manufacture of substances. For research use only. Not intended for human or animal diagnostic or therapeutic uses.

#### 1.3 Details of the supplier of the safety data sheet Company

Chemodex Ltd  
Lindenstrasse 77  
CH - 9000 St. Gallen  
Switzerland, Europe  
**Tel:** +41 71 244 48 25  
**Fax:** +41 71 244 48 26  
**eMail:** info@chemodex.com

#### 1.4 Emergency telephone number

+41 44 251 5151 (Tox Zentrum, CH)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
This substance is not classified as dangerous according to Directive 67/548/EEC.

#### 2.2 Label elements

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

Pictogram



Signal word

Danger

Hazard statement(s)

H301

Toxic if swallowed.

Precautionary statement(s)

P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Supplemental Hazard

Statements none

**According to European Directive 67/548/EEC as amended.**

Hazard symbol(s)



R-phrases)

R25

Toxic if swallowed.

S-phrases)

S45

immediately

In case of accident or if you feel unwell, seek medical advice

(show the label where possible).

**2.3 Other hazards**

none

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Synonyms : N-Hydroxybenzenamine  
Formula : C<sub>6</sub>H<sub>7</sub>NO  
Molecular Weight : 109,13 g/mol

Component	Classification	Concentration
Phenylhydroxylamine	CAS-No. 17407-98-6 EC-No. 202-875-6	-

**SECTION 4: First aid measures**

**4.1 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**

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

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

**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 (NO<sub>x</sub>).

### 5.3 Advice for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further information

No data available

## SECTION 6: Accidental release measures

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

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

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### 6.3 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.

### 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 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.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: -20 °C

### 7.3 Specific end uses

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Components with workplace control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

#### Personal protective equipment

##### 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 N99 (US) or type P2 (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).

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

a) <b>Appearance:</b>	<b>Form:</b> solid <b>Colour:</b> bright powder
b) <b>Odour:</b>	No data available
c) <b>Odour Threshold:</b>	No data available
d) <b>pH:</b>	No data available
e) <b>Melting point/freezing point:</b>	80 - 84 °C
f) <b>Initial boiling point and boiling range:</b>	No data available
g) <b>Flash point:</b>	No data available
h) <b>Evaporation rate:</b>	No data available
i) <b>Flammability (solid, gas):</b>	No data available
j) <b>Upper/lower flammability or explosive limits:</b>	No data available
k) <b>Vapour pressure:</b>	No data available
l) <b>Vapour density:</b>	No data available
m) <b>Relative density:</b>	No data available
n) <b>Water solubility:</b>	No data available
o) <b>Partition coefficient (n-octanol/water):</b>	log Pow: 0,79
p) <b>Auto-ignition temperature:</b>	No data available
q) <b>Decomposition temperature:</b>	No data available
r) <b>Viscosity:</b>	No data available
s) <b>Explosive properties:</b>	No data available
t) <b>Oxidizing properties:</b>	No data available

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No data available.

### **10.2 Chemical stability**

No data available.

### **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.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity:** LD50 Oral - rat - 100 mg/kg

**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 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

**Specific target organ toxicity-single exposure:** No data available

**Specific target organ toxicity-repeated exposure:** No data available

**Aspiration hazard:** No data available

#### Potential health effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** Toxic if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

#### Additional Information

**RTECS:** NC4900000

## 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

No data available.

### 12.6 Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. 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.

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: 2811

IMDG: 2811

IATA: 2811

### 14.2 UN proper shipping name

ADR/RID: TOXIC SOLID, ORGANIC, N.O.S. (Phenylhydroxylamine)

IMDG: TOXIC SOLID, ORGANIC, N.O.S. (Phenylhydroxylamine)

IATA: Toxic solid, organic, n.o.s. (Phenylhydroxylamine)

### 14.3 Transport hazard class(es)

ADR/RID: 6.1

IMDG: 6.1

IATA: 6.1

### 14.4 Packaging group

ADR/RID: III

IMDG: III

IATA: III

### 14.5 Environmental hazards

ADR/RID : no

IMDG Marine pollutant: no

IATA: no

### 14.6 Special precautions for user

No data available.

## SECTION 15: Regulatory information

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

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

No data available.

### 15.2 Chemical Safety Assessment

No data available.

## SECTION 16: Other information

### Further information

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