

## Safety Data Sheet

### Section 1 – Identification of the substance/preparation and of the company/undertaking

#### Identification of the substance or mixture

Product name: Proteinase K

Catalog number: 800-030-\*\*

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

#### Company details

Wisent Inc.

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Wisent Inc.

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### Section 2 – Hazards identification

#### **GHS Classification**

Respiratory sensitization, Category 1, H334

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### **GHS-Labeling**

##### **Hazard pictograms**



##### **Signal Word**

Danger

##### **Hazard Statements**

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

##### **Precautionary Statements**

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

### Section 3 – Composition/Information on ingredients

#### **Chemical nature**

Aqueous solution of inorganic and organic compounds.

### **Hazardous ingredients**

Chemical Name (Concentration)

CAS-No.

Proteinase K (>= 1 % - < 5 % )

39450-01-6

Exact percentages are being withheld as a trade secret.

## **Section 4 – First aid measures**

### **Description of first aid measures**

#### **If inhaled**

After inhalation: fresh air. Call in physician.

#### **In case of skin contact**

After skin contact: wash off with plenty of water. Remove contaminated clothing.

#### **In case of eye contact**

After eye contact: rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist if necessary.

#### **If swallowed**

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician. Never give anything by mouth to an unconscious person.

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

irritant effects

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

No data available.

## **Section 5 – Firefighting measures**

### **Extinguishing media**

#### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

#### **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given

#### **Special hazards arising from the substance or mixture**

Not combustible. Ambient fire may liberate hazardous vapors.

#### **Advice for fire-fighters**

#### **Special protective equipment for fire-fighters**

In the event of fire, wear self-contained breathing apparatus.

#### **Further information**

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **Section 6 – Accidental release measures**

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

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: Protective equipment 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 with liquid-absorbent material (e.g. Chemizorb® ). Dispose of properly. Clean up affected area.

**Section 7 – Handling and storage**

**Precautions for safe handling**

Work under hood. Do not inhale substance/mixture. Avoid generation of vapors/aerosols. Observe label precautions.

**Conditions for safe storage, including any incompatibilities**

Tightly closed. Store at +2°C to +8°C (+36°F to +46°F).

**Section 8 – Exposure controls/personal protection**

**Exposure limit(s)**

Basis	Value	Threshold limits	Remarks
glycerine 56-81-5			
CAD AB OEL	Time Weighted Average (TWA):	10 mg/m <sup>3</sup>	Form of exposure: Mist
CAD BC OEL	Time Weighted Average (TWA):	10 mg/m <sup>3</sup>	Form of exposure: Mist.
	Time Weighted Average (TWA):	3 mg/m <sup>3</sup>	Form of exposure: Respirable mist.
CAD ON OEL	Time Weighted Average (TWAEV):	10 mg/m <sup>3</sup>	Form of exposure: Mist.
OEL (QUE)	Time Weighted Average (TWA):	10 mg/m <sup>3</sup>	Form of exposure: Mist.

**Engineering measures**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

**Individual protection measures**

Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled. The chemical resistance of the protective equipment should be inquired at the respective supplier.

**Hygiene measures**

Change contaminated clothing. Application of skin- protective barrier cream recommended. Wash hands after working with substance.

### Eye/face protection

Safety glasses

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

### Respiratory protection

required when vapors/aerosols are generated. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9 – Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	liquid
Odour	odorless
Color	colorless
pH	7.5 at 77 °F (25 °C) (undiluted)
Melting point/Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Auto ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Evaporation rate	No data available
Flammability	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	1.10 g/cm <sup>3</sup> at 68 °F (20 °C)
Relative vapour density	No data available
Specific gravity	No data available
Water Solubility	at 77 °F (25 °C) soluble
Solubility (solvents)	No data available
Partition coefficient	No data available
Explosive properties	No data available
Oxidizing properties	No data available

## Section 10 – Stability and reactivity

### Reactivity

See below

**Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature) .

**Possibility of hazardous reactions**

Violent reactions possible with: The generally known reaction partners of water.

**Condition to avoid**

No data available

**Incompatible materials**

No data available

**Hazardous decomposition products**

No data available

**Section 11 – Toxicological information****Information on toxicological effects****Likely route of exposure**

Eye contact, Skin contact

**Acute oral toxicity**

Symptoms: Irritation of mucous membranes

**Acute inhalation toxicity**

Symptoms: Irritation symptoms in the respiratory tract.

**Skin irritation**

slight irritation

**Eye irritation**

slight irritation

**Sensitization**

May cause sensitization by inhalation. Mixture may cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Specific target organ systemic toxicity - single exposure**

The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Specific target organ systemic toxicity - repeated exposure**

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Aspiration hazard**

Regarding the available data the classification criteria are not fulfilled.

**Carcinogenicity**

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

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

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

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

**Further information**



Quantitative data on the toxicity of this product are not available. Further data: Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

**Ingredients**

Proteinase K

No information available.

**Section 12 – Ecological information**

**Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Ingredients**

Proteinase K

No information available.

**Section 13 – Disposal considerations**

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Section 14 – Transport information**

**DOT (US)**

Not dangerous good

**IMDG**

Not dangerous good

**IATA**

Not dangerous good

**Section 15 – Regulatory information**

**United States of America**

**Canada**

**WHMIS Classification**

**D2A Very Toxic Material Causing Other Toxic Effects**



**D2B Toxic Material Causing Other Toxic Effects**

Respiratory sensitizer, Skin irritant, Respiratory irritant, Eye irritant This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

**Notification status**

**TSCA:** Not Listed on TSCA inventory. For Research and Development Use only. Not For Manufacturing or Commercial Purposes.

**DSL:** This product contains one or several components that are not on the Canadian DSL nor NDSL.

**Section 16 – Other information**

**Training advice**

Provide adequate information, instruction and training for operators.

**Full text of H-Statements referred to under sections 2 and 3.**

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MSDS Date of revision: June 2023

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