

CATALASE (2000-5000 Unit/Mg)

SECTION 1: PRODUCT IDENTIFICATION

Product Name: CATALASE (2000-5000 Unit/Mg)

Product Code: 510

CAS#: 9001-05-2

Chemical Formula: Not available

Molecular Formula: Not available

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

Name: CATALASE (2000-5000 Unit/Mg)

Resp. Sens. 1; H334

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Respiratory sensitization (Category 1), H334

SECTION 4: FIRST AID MEASURES

General advice: First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

If inhaled: After inhalation: fresh air. Call in physician.

In case of skin contact: In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact: After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed: After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Water Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media: For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture: Nature of decomposition products not known. Combustible. Development of hazardous combustion gases or vapours possible in the event of fire. Risk of dust explosion.

Advice 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: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

Environmental precautions: Do not let product enter drains.



SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Work under hood. Do not inhale substance/mixture.

Hygiene measure: Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.

Conditions for safe storage, including any incompatibilities:

Storage condition: Store away from heat

Tightly closed. Dry. Keep locked up or in an area accessible only to qualified or authorized persons.

Storage stability: Recommended storage temperature -20 °C

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/face protection: Safety glasses with side-shields conforming to EN166 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.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (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

Physical state and appearance	:	Powder, (lyophilized)
Odor	:	Not available
Taste	:	Not available
Color	:	Brown to dark green
Molecular Weight	:	Not available
pH	:	Not available
Boiling Point	:	Not available
Melting Point	:	Not available
Critical Temperature	:	Not available
Specific Gravity	:	Not available
Vapor Pressure	:	Not available
Vapor Density	:	Not available
Volatility	:	Not available
Odor Threshold	:	Not available
Water/Oil Dist. Coeff.	:	Not available
Ionicity (in Water)	:	Not available
Dispersion Properties	:	Not available
Solubility	:	at 20 °C slightly soluble

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity: The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

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

Possibility of hazardous reaction: No data available

Conditions to avoid: no information available



Incompatible materials: Strong oxidizing agents

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: No data available
Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitization: No data available
Germ cell mutagenicity: No data available
Carcinogenicity: No data available
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

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Not data available.
Persistence and degradability: Not available.
Bio accumulative potential: Not available
Mobility in soil: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

UN number:		
ADR/RID:	IMDG:	IATA:
UN proper shipping name		
ADR/RID: Not dangerous goods		
IMDG: Not dangerous goods		
IATA: Not dangerous goods		
Transport hazard class(es):		
ADR/RID:	IMDG:	IATA:
Packaging group:		
ADR/RID:	IMDG:	IATA:
Environmental hazards:		
ADR/RID: no	IMDG Marine pollutant: no	IATA: no

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: OTHER INFORMATION

References: Not available.
Other Special Considerations: Not available.



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