ARENA BioScien

Safety Data Sheet

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

1.1 Product identifier

- Product Name: **Catalase Reagent**

1.2 Rapid test for the detection of the catalase enzyme.

1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Arena BioScien, SEA
- Address of Manufacturer: Block 5, Street 9 Ismailia free zone. Ismailia- Egypt
- Telephone: +202 21813500/ +201113102057
- Email: admin@arenabioscientific.com

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture:

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 1

2.2 Signal

Word Danger

2.3. Hazard Statements

Causes skin irritation Causes serious eye damage

2.4Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection

2.5 Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a poison center or doctor/physician

IF ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse

SECTION 3 Composition/information on ingredients

3% H_2O_2 reagent

SECTION 4 First aid measures

4.1 Description of first aid measures

General Information Get medical attention if symptoms occur.

Inhalation Remove to fresh air.

Ingestion Do not induce vomiting. Call a physician or poison control center immediately. .

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

4. 2Most important symptoms and effects,

May cause irritation to the mucous membranes and upper respiratory tract. Causes skin irritation. May cause eye burns and permanent eye damage.

SECTION 5 Fire-fighting measures

5.1 Suitable Extinguishing Agents: carbon dioxide (CO_2). Dry chemical. Foam.
5.2 Special hazards arising from the substance or mixture: Emits toxic fumes under fire conditions.
5.3 Special Protective Equipment and Advice for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
-Personal Precautions : Use personal protective equipment as required. Ensure adequate ventilation.
-Environmental Precautions: See Section 12 for additional Ecological Information.
6.2 Methods and materials for containment and cleaning up:
-Methods for Containment: Prevent further leakage or spillage if safe to do so.
-Methods for Clean-Up: Cover with dry-lime, sand, or soda ash. Place in appropriate containers for disposal. Flush area with water. Dispose of in accordance with federal, state and local regulations.

SECTION 7 Handling and storage

7.1 Precautions for safe handling:
Advice on Safe Handling
Wash thoroughly after handling. Use personal protection recommended in Section 8.
7.2 Conditions for safe storage, including any incompatibilities:
Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible Materials
Rust. Organic materials. Metals. Ketones. Ethers.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters
- There are no recommended or established controls for this product.
8.2 Exposure controls
- Eyewash bottles should be available.
- Engineering controls should be provided to prevent the need for ventilation.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask, NIOSH N95 (US) or type FFP1 (EN143) dust masks.
- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear safety glasses approved to standard for ANSI Z87 or EN 166.
- Wear suitable protective clothing in accordance with good chemical hygiene practices.



Gloves | Safety Glasses | Lab Coat

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State Liquid
Prepared Appearance : No data available
Odour: No data available.
Odour Threshold: No data available
pH: No data available
Melting/freezing point: No data available
Initial boiling point and boiling range: No data available.
Flash point: No data available.
Flammability (Solid, gas): No data available
Vapour pressure: No data available
Vapor Pressure 23.3 mm Hg
Vapor Density 1.1 g/L
Specific Gravity Not determined
Water Solubility Not determined
Solubility in other solvents Not determined
Partition Coefficient Not determined
Auto-ignition Temperature Not determined
Decomposition Temperature Not determined
Kinematic Viscosity Not determined
Dynamic Viscosity Not determined
Explosive Properties Not determined
Oxidizing Properties Not determined

SECTION 10 Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Light.

10.5 Incompatible materials

Rust. Organic materials. Metals. Ketones. Ethers.

10.6 Hazardous decomposition products

Oxygen.

SECTION 11 Toxicological information

Information on likely routes of exposure Product Information

Eye Contact: Causes serious eye damage.
Skin Contact: Causes skin irritation.
Inhalation: Avoid breathing vapors or mists.
Ingestion : Do not taste or swallow.

SECTION 12 Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability:

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

SECTION 13 Disposal considerations

Waste treatment method

Dispose of waste

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging:

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Recommendation:

Ensure decontamination of the prepared material and contaminated containers by autoclaving and / or incineration before discarding

SECTION 14 Transport information

14.1 UN Number

- Not classified as hazardous for transport

14.2 UN Proper Shipping Name

- Not applicable

14.3 Transport hazard class(es)

- Not applicable

14.4 Packing group

- Not applicable

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- Not Classified

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not Classified

14.8 Domestic Surface Transport (US DOT)

- Proper Shipping Name: Not applicable
- DOT UN No.: Not applicable
- DOT Hazard Class: Not applicable
- DOT Packing Group: Not applicable

14.9 International Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable

SECTION 14 Transport information (continued…)

- Tunnel Code: Not applicable

14.10 Ocean/Sea (IMO/IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Packing Group: Not applicable

14.11 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO Un No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

SECTION 15 Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006- 453/2010, WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR), and with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

SECTION 16 Other information

Date of Preparation: September 2019
Revision: Rev. 0
Replaces: New issue

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