WALZYME HC - 200

Date of issue: 16-11-2024

According to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 830/2015 (REACH)

SECTION 1: Identification of the substance / Mixture and of the company / Undertaking

1.1 Product Identifier

Trade Name: Walzyme HC-200

1.2 Relevant Identified Use of the substance or mixture and used advised against

Use of the substance / Mixture: Textile Auxiliary

1.3 Detail of the supplier of the safety data sheet

Company Name: ***Walker Chemical and Dyes Private Limited***
Address: ***P-1, Ghulam Fareed Road, Kehkashan Colony, Jaranwala Road, Faisalabad, Lyallpur Town.***
Telephone #: ***+92 41 5388150***
Email: ***Walkerchemicalsdyespvtltd@gmail.com***

1.4 Emergency Telephone Number

+92 41 5388150

SECTION 2: Hazards Identification

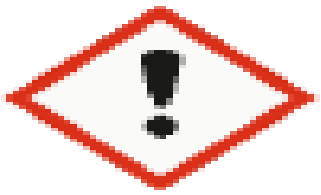
2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Classification (67/548/EEC, 1999/45/EC): Not a hazardous substance or mixture.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 Not a hazardous substance or mixture.

2.3 Hazard Pictogram:



Signal Word: Warning

Hazard Statement:

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

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Precautionary Statements:

Prevention-

P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P285: In case of inadequate ventilation wear respiratory protection.

P304+P341: IF INHALED: If breathing is difficult, 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/doctor.

Other hazards

This substance/mixture contain no components considered to be either persistent, bio accumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition / Information on ingredients

3.1 Mixture

Chemical characterization: Alpha-Amylase

Ingredients:

Components	*CAS Number / EC Number*	*Percentage*	*Classification {REGULATION (EC) No. 1272/2008}*
Alpha-Amylase	**9000-90-2** **232-565-6**	**7-9 %**	**Resp. Sens. 1 H334**
Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6](3:1)	**55965-84-9** **613-167-00-5**	**>= 0,0025 - <**	**-**

SECTION 4: First Aid Measures

4.1 Description of first aid measures

- General Instantly remove any clothing soiled by the product.
- After inhalation: Provide with fresh air, consult doctor in case of symptoms.
- After skin contact: Instantly wash with water and soap rinse thoroughly.
- If skin irritation continues, consult to a doctor.
- After eye contact: Rinse opened eye under running water. Seek medical treatment.
- After swallowing: rinse out mouth and then drink a lot of water. Do not induce vomiting.
- Instantly call for medical help.

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4.2 Most important symptoms and effects, both acute and delayed

Risks: refer to section 2 and 11

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media:

- Suitable extinguishing media
- Carbon dioxide (CO2) Water spray.
- Jet dry powder.
- Foam

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting

Hazardous decomposition product formed under fire condition. Can be released in case of **fire:** Carbon oxides

5.3 Advice for firefighters

- Special protective equipment's for firefighters.
- In the event of fire, wear self-contained breathing apparatus.

Further information:

- In case of fire do not inhale smoke, conflagration gases and stream.
- Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment.

6.2 Environmental precautions:

Environmental precautions:

- The product should not be allowed to enter drain, water occurs or the soil. Pay attention to local official regulation.
- Personal precautions, protective equipment's and emergency procedures.
- Personal precautions: Use personal protective equipment's.

Environmental precautions:

- Environmental precautions: The product should not be allowed to enter drain, water courses
- or soil. Pay attention to local official regulation.

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6.3 Methods and materials for contaminated and cleaning up

Method for cleaning: Soak up with inert absorbent material (e.g Sand, Silica Gel, Acid binder, sawdust). Clean contaminated surface thoroughly. Dispose of in accordance with local regulations.

6.4 Reference to other sections

Refer to protective measures listed in section 7 and 8.

SECTION 7: Handing and Storage

7.1 Precautions for safe handling

Advice on safe handling:

- Provide sufficient air exchange and/or exhaust in work room.

Advice on protection against fire and explosion:

- No special measures against protective fire required.

Hygiene measures:

- Avoid contact with skin, eyes and clothing. Do not breathe vapors, aerosols. Take all contaminated clothing immediately. Handle in accordance with good industrial hygiene and safety practice.

7.2 Condition for safe storage, including any incompatibilities Storage: Store in cool, dry conditions in well-sealed containers. Protect from temperature over 40 °C

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control parameters

8.2 Exposure controls

Engineering measures:

- Solids with occupational exposure limits in liquid preparations do not cause an exposure in the work- place, because they are not present in a respirable form. Exposure can occur in the form of aerosols or after drying of the liquid the solids remain, possibly in a finely dispersed form.
- Provide sufficient air exchange and/or exhaust in work rooms.

Personal Protective Equipment:

- Eye protection: safety glasses
- Hand protection material: nitrile rubber
- Break through time: >480 min Glove
- Thickness: >= 0,35 mm
- Protective index: Class 6

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Remarks:

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The obtained break through times according to EN 374 Part III are not measured under normal operating conditions. Therefore, a maximum usage time of 50% of the break through time is recommended.

Skin and body protection: wear suitable protective clothing.

Respiratory protection: In case work place is not ventilated sufficiently and during spray processing, it is necessary to wear respiratory protective equipment's.

Recommended filter type: Combination filter A/P.

SECTION 9: Physical and Chemical Properties

9.1 Information on basis physical and chemical properties

- Appearance: Liquid
- Color: Yellow brown
- Odor: Mild
- pH: 5-7
- Melting point/ range: no data available boiling
- Point/ boiling range: no data available vapour
- Pressure: no data available
- Water solubility: soluble
- Partition coefficient: octanol / water: not applicable
- Viscosity, dynamic: no data available
- Relative vapour density: not applicable
- Evaporation rate: not applicable
- Flash Point: not applicable

9.2 Other information

- Conductivity: not determined

SECTION 10: Stability and Reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

The product is chemically stable.

Possibility of hazardous reaction

No dangerous reaction known under conditions of normal use.

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Condition to avoid

Not applicable

Incompatible material:

Not applicable

Hazardous decomposition products:

No decomposition if stored and applied as directed.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity

- **Acute oral toxicity:** Acute Toxicity >2.000 mg/kg
- OECD Guidelines 401
- **Acute dermal toxicity:** No data is available on the product itself.

Respiratory or skin sensitization:

- **Sensitization:** No Known sensitizing effect.

SECTION 12: Ecological Information

Toxicity

Aquatic toxicity:

LC 50: >10-100 mg / l

Exposure Time: 96h

Persistence and degradability

Biodegradability: DOC-CO2 measuring > 80%

Method: OECD 302 B with CO2 (Elimination)

The product is “Inherently biodegradable” according to the criteria of the OECD. The total of the surfactants contained in the product is to be judged readily biodegradable according to OECD.

Bio accumulative potential

Bio accumulation: No data is available on the product itself.

Mobility in soil

Mobility: No data available

Results of PBT and vPvB assessment

Product:

Assessment: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

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Other adverse effects

No data available.

SECTION 13: Disposal Consideration

Waste treatment methods

Product: Pay attention to local or official regulations.

Contaminated packaging: Pay attention to local or official regulations

SECTION 14: Transport Information

UN number

ADR: Not dangerous goods.

IMDG: Not dangerous goods

IATA: Not dangerous goods

SECTION 15: Regulatory Information

Safety, health and environment regulation/ legislations specific for the substance or mixture.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Chemical safety assessment.

Not required.

SECTION 16: Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This safety data sheet only contains information relating to safety and does not replace and product information or product specification.