



Safety Data Sheet

Qwik-Zyme CS

Revision Date 8/4/2015

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name : Qwik-Zyme CS

Synonyms : None

Product Form : Liquid

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

Identified uses : Catalyst concentrates for degrading complex starches

1.3 Details of the supplier of the safety data sheet

Company : Aquafix Inc.
2310 Daniels St.
Madison WI 53718
USA

Telephone: : +1 888-757-9577
Monday-Friday
7:30am-4:00pm CST

1.4 Emergency telephone number

Emergency Phone# : Chemtrec +1 800-424-9300

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Respiratory Sensitizer (Category 1)

Skin corrosion/irritation (Category 2)

Eye Irritant (Category 2B)

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word : Warning

Hazard Statement(s) : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause eye and skin irritation.

Precautionary Statement(s) : Avoid breathing dust/mist/vapor/spray. Wear protective gloves/protective clothing/eye protection/face protection. Do

not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink, or smoke while handling.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous Components

Component	Cas-No.	Concentration %	OSHA PEL	ACGIH TLV
Proprietary Protein Compounds	N/A	13-15%	N/A	N/A
Bacteria Cultures	N/A	≤3	N/A	N/A

Ingredients not precisely identified are proprietary or non-hazardous. Product formulation consists of listed materials, non-hazardous ingredients, and naturally occurring microorganisms.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

If concerned consult a physician.

In case of skin contact

Wash exposed area with soap and water. If irritation persists seek medical attention.

In case of eye contact

Immediately rinse eyes with plenty of water. If irritation persists seek medical attention.

If Inhaled

Remove to fresh air. If difficulties breathing consult physician immediately.

If Ingested

May cause nausea or diarrhea, drink plenty of water.

4.2 Most important symptoms and effects both acute and delayed

May cause possible allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

None. If any symptoms persist, seek medical attention.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water, water spray, foam, carbon dioxide (CO₂), or dry powder.

Unsuitable extinguishing media

None

5.2 Special hazards arising from the substance or mixture

None

5.3 Special protective equipment for firefighters

No special protective equipment required.

5.4 Further Information

Flash Point (°C) : No information available

Autoignition temperature (°C) : No information available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

No special precautions required. Wear adequate personal protective equipment.

6.3 Method and materials for clean up

Maintain good housekeeping practices. Can be washed away with water. No special disposal method required, except that it be in accordance with current local, state/provincial and federal regulations.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear personal protection equipment.

7.2 Conditions for safe storage

Risks

Not at risk for corrosion, fire, explosion, or chemical reaction. No special instructions to minimize risks.

Place of storage

Store in a cool, dry space between 50-80°F.

Fire/explosion protection

None needed

7.3 Specific end use

None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Components with work place parameters

None

8.2 Exposure controls

Engineering controls

Handle in accordance with good industrial hygiene and safety practice.

Personal Protective Equipment

Eye/face protection : Protective glasses are recommended

Skin : **Hand:** Gloves are recommended

	Other: Wear appropriate clothing for work
Respiratory protection	: Protective mask or respirator is recommended
Thermal protection	: None
Environmental exposure	: None

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	: Liquid, brown in color
Odor	: slightly sour
Solubility	: Highly soluble
Boiling point	: No information available
pH	: 7.0-7.5
Vapor density	: No information available
Melting point	: No information available
Vapor pressure	: No information available
Specific Gravity	: 1.0 @ 25°C

9.2 Other information

None

10. STABILITY AND REACTIVITY

10.1 Reactivity	: None
10.2 Chemical Stability	: Stable
10.3 Possibility of hazardous reactions	: None
10.4 Conditions to avoid	: Avoid storing with incompatible materials
10.5 Incompatible materials	: Strong acids or alkalis may inactivate bacterial cultures.
10.6 Hazardous decomposition products	: None

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	: No known effects
Skin corrosion/irritation	: May cause irritation
Eye damage/irritation	: May cause irritation
Respiratory/skin sensitization	: Ingredients have been known to cause allergic reactions
CMR (Carcinogenity, Mutagenicity, Reproductive toxicity)	No known effects

12. ECOLOGICAL INFORMATION

12.1 Toxicity	No known information is available
12.2 Persistence and degradability	No known information is available
12.3 Bioaccumulative potential	No known information is available

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|------|---|--|
| 12.4 | Mobility in soil | No known information is available |
| 12.5 | Results of PBT and vPvB assessment | No known ecological information is available |

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product and packaging can be disposed of in regular trash. No special disposal method required. Follow all applicable local laws for recycling, bagging, and disposal of trash.

14. TRANSPORTATION INFORMATION

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|------|------------------------------------|-----------------------------|
| 14.1 | UN NUMBER | Not relevant |
| 14.2 | UN proper shipping name | Not relevant |
| 14.3 | Transportation hazard class | Not classified as dangerous |
| 14.4 | Packing group | Not relevant |
| 14.5 | Environmental hazards | None |
| 14.6 | Special precautions | None |
| 14.7 | Further Information | None |

15. REGULATORY INFORMATION

Sara/Title III – CERCLA LIST of Hazardous Substances and Reportable Quantities (40CFR304.4): This product **does not** contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 304

Sara/Title III – List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 300 & 305): This product **does not** contain an ingredient(s) listed as an extremely hazardous substances (EHS) for Emergency Planning under sections 301-303 and for Emergency Release Notification under section 304.

Sara/Title III – List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372): This product **does not** contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

16. OTHER INFORMATION

The information in this SDS was obtained from sources which we believe to be reliable. However, the information is provided without any warranty expressed or implied regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself.

This SDS was prepared and is to be used only for this product. No representation, warranty, or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness. We assume no responsibility for any loss, damage or expense direct or consequential arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.