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1: Identification

GHS Product identifier Zymax 128 Enzymatic Cleaning Solution
Other means of identification Concentrated Enzyme Cleaning Solution
Recommended use of the chemical and restrictions on use
 General purpose cleaner. Use in accordance with manufacturer's instructions.
Supplier's identifier maxill inc., 80 Elm Street, St. Thomas, Ontario, CANADA, N5R 6C8
 maxill inc., 500 West Main Street, Cortland, OH, USA, 44410
 Telephone: 1-800-268-8633, e-mail: info@maxill.com, Website: www.maxill.com
Emergency phone number Velocity EHS Emergency Response Services
 Canada & US: 1-800-255-3924, International: +1-813-248-0585

2: Hazard identification

Classification of the substance or mixture Serious eye damage/eye irritation Category 2B
 Skin corrosion/irritation Category 3

GHS label elements, including precautionary statements

Signal word WARNING
 Hazard statement Causes eye irritation. Causes mild skin irritation.
 Prevention Wash hands thoroughly after handling. Do not touch eyes.
 Response If skin irritation occurs: Get medical help. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help.

Other hazards which do not result in classification None known.

3: Composition/information on ingredients

Mixtures

<u>Chemical name</u>	<u>CAS number</u>	<u>Percent (w/w)</u>
Alcohol Ethoxylate	68439-46-3	1 – 5
Sodium Octanesulfonate	5324-84-5	1 – 5
Enzyme Blend	9001-91-3/9001-92-7/9001-62-1	10 – 30
Fragrance	Not applicable	0.1 – 1

4: First-aid measures

Description of necessary first-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor if you feel unwell.
 Skin contact Take off immediately all contaminated clothing and footwear. Rinse skin with water/shower. Get medical help if irritation develops and persists.
 Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help if irritation develops and persists.
 Ingestion Rinse mouth. If vomiting occurs, keep head low so that stomach contents doesn't get into the lungs. Get medical help if you feel unwell.



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Most important symptoms/effects, acute and delayed

Eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of immediate medical attention and special treatment needed, if necessary

Provide general supportive measures and treat symptomatically.

5: Fire-fighting measures

Suitable extinguishing media Not flammable, not combustible. Use extinguishing measures appropriate to local circumstances and surrounding environment.

Specific hazards arising from the chemical

Combustion products may include: carbon oxides.

Special protective equipment and precautions for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of surrounding fire.

6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. For non-emergency personnel and emergency responders: Wear appropriate protective equipment (protective gloves, eye protection) during clean-up. Avoid breathing mist and spray.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

This product is miscible in water. Spills: Use absorbent material (e.g. vermiculite), and or other non-combustible material and transfer to containers for later disposal in regular trash. Wipe up with absorbent material (e.g. cloth, fleece).

7: Handling and storage

Precautions for safe handling

Do not taste or swallow. Avoid contact with eyes. Avoid prolonged exposure. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in tightly closed container at room temperature. Keep out of reach of children.

8: Exposure controls/personal protection

Control parameters Information not available.

Appropriate engineering controls Good general ventilation should be sufficient.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection Protection for eyes is recommended.

Skin (hand) protection Wear appropriate chemical resistant gloves. Nitrile, butyl rubber or neoprene gloves are recommended.

Skin (general) protection Not normally required.

Respiratory protection Not normally required.

Thermal hazards Not applicable.



9: Physical and chemical properties

Physical state	Liquid
Colour	Clear, green
Odour	Mint
Melting point / freezing point	0°C (approx.)
Boiling point, initial boiling point and boiling range	100°C (approx..)
Flammability	No
Lower and upper explosion limit / flammability limit	Information not applicable (N/Ap)
Flash point	N/Ap
Auto-ignition temperature	Not determined
Decomposition temperature	Information not available (N/Av)
pH	6.50 – 8.50
Kinematic viscosity	N/Av
Solubility	Soluble
Partition coefficient: <i>n</i> -octanol/water (log value)	N/Av
Vapour pressure	N/Av
Density or specific gravity	1.005
Relative vapour density	N/Av
Particle characteristics	N/Ap

10: Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction is known under conditions of normal use.

Conditions to avoid Keep away from extreme heat.

Incompatible materials None known.

Hazardous decomposition products No hazardous decomposition products are known.

11: Toxicological information

Information on the likely routes of exposure

Inhalation May cause an allergic reaction.

Skin contact Causes mild skin irritation.

Eye contact Causes eye irritation.

Ingestion May cause nausea and vomiting.

Symptoms related to the physical, chemical and toxicological characteristics

May cause drowsiness, nausea, vomiting, allergic respiratory reaction, eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.



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Delayed and immediate effects and also chronic effects from short- and long-term exposure

Acute toxicity	None expected.
Skin corrosion/irritation	Causes mild skin irritation.
Serious eye damage/eye irritation	Causes eye irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not expected to cause respiratory sensitization.
Skin sensitization	Not expected to cause skin sensitization.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may cause nausea, vomiting.
<i>Numerical measures of toxicity (such as acute toxicity estimates)</i>	Information not available.
<i>Interactive effects</i>	Information not available.
<i>Where specific chemical data are</i>	Information not available.
<i>Mixtures</i>	Information not available.
<i>Mixture versus ingredient information</i>	Information not available.
<i>Other information</i>	Information not available.

12: Ecological information

Toxicity

The product is not classified as environmentally hazardous.

Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential Information is not available.

Mobility in soil Information is not available.

Other adverse effects

No other adverse environmental effects are expected.

13: Disposal considerations

Disposal methods

Dispose of contents and container in accordance with regulations. Product is not subject to hazardous materials disposal requirements.

14: Transport information

TDG

UN Number Not applicable (N/Ap)

UN Proper Shipping Name N/Ap

Transport hazard class(es) N/Ap



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Packing group N/Ap
Environmental hazards No
Special precautions for user Read instructions, SDS and emergency procedures before handling.
Transport in bulk according to IMO instruments N/Ap

15: Regulatory information

Safety, health and environmental regulations specific for the product in question

TACA Inventory: All components are listed.
CERCLA: Does not contain any components with reportable quantities.
SARA 302: None.
SARA 311/312 Hazards: Acute health hazard.
California Prop 65: None.

16: Other information

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue Date 2025-03-06
Effective Date 2025-03-06

