SAFETY DATA SHEET
ZYM-FS

1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Use of Preparation: Cleaner
Company Identification:
Mega-Lab Manufacturing. Co. Ltd.
25 Planchet Road
Concord, ONON
L4K 2C5

Company Emergency Telephone Number(s):
905-532-9000
Transportation Emergency Telephone Number(s):
CANUTEC 613-996-6666 or * 666 for cell phone

2 HAZARD IDENTIFICATION

GHS Hazards: Skin corrosion/irritation Category 3 H316
Serious eye damage/eye irritation Category 1 H318

Hazard Pictograms :

GHS Label Elements, Including Precautionary Statement

Signal Word: DANGER

Hazard Statements: Causes mild skin irritation. Causes serious eye damage.

Precautionary Statements: Avoid breathing fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF ON SKIN: wash with plenty of soap and water. 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.

Disposal: Dispose of contents/container according to local, provincial and federal regulations.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient Name	CAS#	Classification	% by Wt
Lauramine Oxide	1643-20-5	Acute toxicity,oral Category 4 H302 Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 1 H318	7-15

4 FIRST AID MEASURES

Inhalation: Remove victim to fresh air. If symptoms persist, call a physician.

Eye Contact: Remove contacts. Flush with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists get medical attention.

Skin Contact: After contact with skin, wash immediately with plenty of warm water and soap. If irritation persists, seek medical attention.

Ingestion: Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.

Most Important Symptoms and Effects: no available data

Notes to Physician: Treatment based on judgment of attending physician.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media: As appropriate for burning of surrounding products

Unsuitable extinguishing media: None known

Special exposure hazards: No data available

Special safety equipment: not applicable

Fire and explosion: Not considered to be a fire or explosive hazard

Further information: None

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Wear suitable personal protective equipment. Do not get in eyes, on skin or clothing.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Ventilate area.

Environmental Precautions: No special precautions required.

Methods and Material for Containment and Cleaning Up

For Containment: Stop leak if safe to do so.

Methods for Cleaning Up: Recover and reuse as much of the product as possible.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7 HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes. Wear proper protective equipment

Information about fire and explosion protection: No special measures required.

Requirements to be met by storerooms and receptacles: Keep container closed in a dry and well-ventilated place. Store in a cool and dry location.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

Specific end use: No further relevant information available.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Normally not required. Mechanical ventilation should be adequate.

Hand protection: Not normally required. Use impervious gloves in case of sensitive skin.

Eye protection: Safety glasses, or chemical goggles.

Skin protection: As required by workplace standards.

Working hygiene: Handle in accordance with good industrial hygiene and safety practices.

Exposure Guidelines: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Clear liquid
Molecular Weight:	No Data Available
Odour:	None
Odour Threshold:	No Data Available
pH:	9.5-10.5
Melting Point:	No Data Available
Boiling Point:	No Data Available
Flash Point:	No Data Available
Evaporation Rate (BuAc=1):	No Data Available
Flammable Limits in Air:	No Data Available
Upper Flammability Limit:	No Data Available
Lower Flammability Limit:	No Data Available
Vapour Density (Air=1):	No Data Available
Vapour Pressure:	No Data Available
Specific Gravity:	0.98-0.99
Solubility in Water:	Complete
Log Pow (calculated):	No Data Available
Autoignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Viscosity:	No Data Available
Solubility in other Solvents:	No Data Available
Partition Coefficient:	No Data Available
n-octanol / Water:	No Data Available
Kinematic Viscosity:	No Data Available
Dynamic Viscosity:	No Data Available
Explosive Properties:	No Data Available
Percent Volatile by Volume:	No Data Available

10 STABILITY AND REACTIVITY

Reactivity:	Normally stable.
Chemical stability:	Stable under recommended storage conditions
Thermal decomposition conditions to avoid:	not known
Possibility of hazardous reactions:	not known
Conditions to avoid:	None Known. Keeps containers tightly closed when not in use
Hazardous decomposition products:	none known
Materials to avoid:	Oxidizing agents
Hazardous polymerization:	Will not occur

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: see below

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms:	No data available
Sensitization:	No data available
Mutagenic Effects:	No data available
Carcinogenicity:	No ingredient listed by IARC, ACGIH, NTP, and OSHA as carcinogens.
Reproductive Toxicity:	No data available
STOT single exposure:	No data available
STOT repeated exposure:	No data available
Chronic Toxicity:	No data available
Target Organ Effects:	No data available
Aspiration hazard:	No data available

Listed Ingredients:

Lauramine Oxide	LD 50 (dermal) >2000mg/kg rabbit LD 50 (oral) >1065 mg/kg Rat

12 ECOLOGICAL INFORMATION

Toxicity:	No data available for product.
Persistence and Degradability:	No Data Available
Bioaccumulative Potential:	No Data Available
Mobility in Soil:	No Data Available
Other Information:	No Data Available
Aquatic Toxicity:	No Data Available
Toxicity to algae, fish, invertebrates:	No Data Available
Biodegradation:	This formulation would be readily biodegradable under OECD 301D based on the review of raw materials.

13 DISPOSAL

Waste Disposal Recommendations:	Dispose of waste material in accordance with all local, regional, national, and international regulations.
Ecology – Waste Materials:	Avoid release to the environment.
Empty Containers:	Reuse if possible or triple rinse and dispose according to local, provincial, state and federal regulations

14 TRANSPORTATION INFORMATION

Department	Proper Shipping Name	Contains	Hazard Class	UN#	Packing Group
Canadian TDG (Road & Rail)	Not Regulated				

Please note: This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

15 REGULATION

OSHA/WHMIS 2015 Classification: Corrosive to eyes

California PROP 65: no ingredients listed

Cdn Domestic Substance List (DSL): All Ingredients Listed

HMIS III Rating

Health: 2
Flammability: 0
Physical: 0
Personal Protection: C

16 OTHER INFORMATION

Prepared by:
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Issuing Date	Version#	Reason for Revision
Februry 22, 2023	1	

Disclaimer:
The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet