



SAFETY DATA SHEET

FORWARD EMULSIFIER

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: FORWARD EMULSIFIER
Date of Safety Data Sheet: April 1, 2017
Use of Preparation: Cleaner.
Company Identification: Mega-Lab Manufacturing Co. Ltd.
25 Planchet Road
Concord, Ontario L4K 2C5

Company Emergency Telephone Number Emergency Phone: 905 532-9000

Transportation Emergency Telephone Number CANUTEC 613-996-6666 or * 666 for cell phone

2. HAZARD IDENTIFICATION

Emergency Overview:
OSHA / WHMIS 2015 Hazards
Classification of substance or mixture
GHS-US/Canadian classification:
GHS Hazards
Skin Corrosion / Irritation Category 2 H315
Serious Eye Damage/Eye Irritation Category 2A H319
Label Elements
GHS-US/ Canada Labeling
Hazard Pictograms (GHS):



Signal Word (GHS): Warning

Hazard Statements (GHS):

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Precautionary Statements (GHS):

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear face protection, protective clothing, protective gloves, and eye protection.

Response Statements (GHS):

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Ethylene glycol monobutyl ether	111-76-2	7.5-15	Flammable Liquid Category 4 – H227 Skin Corrosion/Irritation Category 2 - H315
Tetrasodium EDTA	64-02-8	1-5	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion/Irritation Category 2-H315 Serious Eye Damage/Irritation Category 2A – H319
Sodium Lauryl Sulphate	151-21-3	7.5-15	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion/Irritation Category 2-H315 Serious Eye Damage/Irritation Category 1 – H318

4. FIRST AID MEASURES

Eye Contact:	Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists, get medical attention.
Skin Contact:	Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
Ingestion:	Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.
Inhalation:	Remove to fresh air. If symptoms persist consult physician.
Notes to Physician:	Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Flood with water for extinguishing agent. CO ₂ , dry chemical, alcohol resistant foam
Unsuitable extinguishing media:	High volume/jet water.
Special exposure hazards	Thermal decomposition releases irritating gases.
Special safety equipment:	Self-contained positive pressure breathing apparatus and protective clothing.
Fire and explosion	Not flammable. Not an explosive hazard.
Further information	Keep containers and surrounding cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, or on clothing. Do not breathe vapour or mist.

For Non-Emergency Personnel

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



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Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with absorbent and dispose of waste safely.

Reference to Other Sections

See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Information about fire and explosion protection:

No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage: Acids, Oxidizers, reducing agents.

Requirements to be met by storerooms and receptacles:

Store in a cool 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.

Store receptacle in a well-ventilated area.

Keep container tightly sealed.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Use local exhaust or dilution ventilation.

Hand protection: Chemical resistant gloves.

Eye protection: Safety goggles or full face shield if eye contact is likely.

Skin protection: Use body-covering impervious clothing.

Working hygiene: Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

Exposure Guidelines: None

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State Liquid

Date: April 1, 2017

SDS: Eco-Choice FORWARD EMULSIFIER



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Appearance	Clear	Odour	Natural
Colour	Blue	Odour Threshold	No data available.
Property	Values	Remarks/Method	
pH	4.0 (+/-0.2)	None known	
Melting/Freezing Point	No data available	None known	
Boiling Point/Range	No data available	None known	
Flash Point	Not applicable.	None known	
Evaporation Rate	Not applicable.	None known	
Flammability (solid, gas)	Non-Flammable	None known	
Flammability Limit in Air:			
Upper Limit	No data available	None known	
Lower Limit	No data available	None known	
Vapour Pressure	No data available	None known	
Vapour density	No data available	None known	
Specific Gravity	1.02 +/- 0.005 g/cm3		
Water Solubility	Soluble in water.	None known	
Solubility Other Solvents	No data available	None known	
Partition Coefficient:			
n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition	No data available	None known	
Temperature			
Kinematic Viscosity	No data available	None known	
Dynamic Viscosity	No data available	None known	
Explosive Properties	No data available	None known	
Oxidizing Properties	No data available	None known	
Other Properties:			
Softening Point	No data available		
VOC Content %	No data available		
Particle Size	No data available		
Particle Size Distribution	No data available		

10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable under recommended handling and storage conditions (see section 7).
Thermal decomposition/conditions to avoid:	No decomposition if used and stored according to specifications.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Extremely high or low temperatures.
Hazardous decomposition products	Carbon oxides (CO, CO ₂).
Materials to avoid	None known
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION



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Information on toxicological effects

Acute toxicity: Not classified.

LD/LC50 values relevant for classification:

No data available.

On the skin: Slight irritation possible.

On the eye: Causes serious eye irritation. Symptoms may include pain, redness, and watering.

Ingestion: May be irritating to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

Inhalation: May be irritating to nose, throat, and respiratory tract. Symptoms may include coughing and difficulty breathing.

Sensitization: No known effects.

Additional toxicological information:

Carcinogenicity: none

12. ECOLOGICAL INFORMATION

Toxicity: Not classified

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Mobility in Soil: Not available.

Other Adverse Effects Not available.

Other Information: Inorganic.

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.

14. TRANSPORTATION INFORMATION

Canadian TDG (Road & Rail): Not regulated.

U.S. Department of Transportation (DOT): Not regulated.

Water Transportation (IMO): Not regulated.

Air Transportation (IATA): Not regulated.

15. REGULATORY INFORMATION

Occupational Health & Safety Regulations:

WHMIS 1988 Classification: Toxic T D2B

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

International Inventories

TSCA Complies

DSL/NDL Complies

EINECS/ELINCS Complies

ENCS Complies



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IECSC	Complies
KECL	-
PICCS	Complies
AICS	Complies

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances **ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

HMIS III Rating

Health: 2 Hazard – Temporary or minor injury may occur.

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

SDS US (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

Prepared By: Technical Department.

Issuing Date: April 1, 2017

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