



273 St. Zotique E.,
Montréal, Québec H2S 1L4
www.coopcoco.ca
514-270-0539

SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product name	Emulsifying Wax 100% vegetable sourced
Synonyms and other names	Glicepol GMS 560 SE, Glyceryl stearate self-emulsifying; Stearic acid, monoester with glycerol; octadecanoic acid, monoester with 1,2,3-propnetriol
Recommended uses	This a self-emulsifying wax that allows for complete emulsion without the addition of another wax.
Supplier	Coop Coco & Calendula 273 Rue Saint-Zotique E, Montréal, QC H2S 1L4
Emergency number	Poison control Centre: 1-800-463-5060

SECTION 2 - HAZARDS IDENTIFICATION

Product classification (WHMIS 2015)	No classification is assigned according to OSHA HCS 2012
Hazards information	not applicable
Other information	not applicable

SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical denomination	Self-emulsifying glyceryl stearate
CAS number	11099-07-03
Additional information	There are no impurities that contribute to the classification of the substance.

SECTION 4 - FIRST AID MEASURES

Eye contact	Immediately flush with plenty of running water for at least 15 minutes, keeping eyelids open. Remove contact lenses if easily possible. Seek prompt medical attention.
Skin contact	Remove contaminated clothing and shoes. Wash affected areas with plenty of running water, preferably under a shower. Seek prompt medical attention.
Inhalation	Seek prompt medical attention. Remove victim to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.



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Ingestion Seek prompt medical attention. Do not induce vomiting. Vomiting should only be induced by medical personnel. If vomiting occurs, keep the head lower than the chest to avoid aspiration into the lungs. Never give anything by mouth to an unconscious or convulsing person.

SECTION 5 - FIRE AND EXPLOSION DATA

Fire extinguishing procedures In case of fire, use:
Water spray. Carbon dioxide(CO₂). Dry chemical powder. Alcohol resistant foam.

Special remarks on fire/explosion hazards Product is not flammable. In case of combustion it may generate carbon monoxide as well as CO₂.

Fire fighting media and instructions Water jets should not be used directly on ignited products because it may disperse the material and intensify the fire. A self-contained breathing apparatus and protective clothing are required. Cool the intact fire-exposed containers with water spray and remove them.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Protective clothing, precautions and emergency procedures Isolate and mark the affected area.
Keep heat and/or ignition sources away.
Use personal protection equipment as indicated in Section 8, in order to avoid contact with spilled product.

Environmental precautions Prevent product from entering into soil and waterways.
Notify the appropriate authorities if the product has to run into drainage systems or watercourse or has contaminated the ground or vegetation.

Methods and material for containment and cleaning up Stop spill if possible.
Contain and dike spilled products with earth or sand.
Eliminate ignition or heat source.
Transfer to proper container.
Collect remnants with an appropriate absorbent material.
Wash the contaminated surface with water, which should be collected for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling precaution Use in well-ventilated area.
Avoid inhalation and contact with eyes, skin or clothing through proper protection.
If accidental contact occurs, exposed area should be washed immediately.
Emergency eyewashes and showers shall be located in accessible locations.
Wash hands and face thoroughly after handling.
Wash contaminated clothing before reuse.

Storage precaution Store in a covered and well-ventilated area, away from sunlight and sources of heat or open flames.
Ensure that the storage location has adequate moisture, pressure and temperature.
Keep containers tightly closed when not in use.

Incompatibilities Avoid contact with strong oxidizing agents



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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits	PET-TWA (OSHA) Glycerin-15mg/m ³ (total dust): 5mg/m ³ (respirable fraction).
Engineering controls	In closed environments this product should be handled in the presence of appropriate ventilation (general diluter or local exhauster).
<u>Personal protection :</u>	
Inhalation	In case of emergency or contact with high concentration of the product, wear an air-supplied mask or self contained breathing apparatus. It is recommended to wear a face mask with mechanical filters in case of exposure to the particulate material.
Skin	PVC apron. It is recommended to wear safety boots/shoes.
Eye	Side shields or wide-vision safety goggles.
Other personal protective equipment	Gloves made of PVC (Polyvinyl chloride). Rubber.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	Flakes. Waxy
Odor	not available
Odor threshold	not available
pH	8.0-9.5 (3% w/w aq.)
Melting Point/Freezing Point	ca. 54 °C
Boiling Point	> 100°C
Flash point	>149°C
Evaporation rate	not available
Flammability	not available
Flammable limits	not available
Vapor pressure	not available
Vapor density	not available
Relative density	not available
Solubility	Soluble in: Water dispersible. Vegetal oil. Organic solvents.
Water/oil dist. coeff.	not available
Auto-ignition temperature	not available
Decomposition temperature	not available



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Viscosity not available

SECTION 10 - STABILITY AND REACTIVITY DATA

Stability / Reactivity No hazardous reactivity is expected

Possibility of hazardous reactions Not polymerize

Conditions of instability High temperatures, ignition sources and prolonged exposure to the air.

Materials to avoid Avoid contact with strong oxidizing agents

Decomp. products in case of combustion, it may generate carbon monoxide, besides CO₂

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute effects Oral : LD50, mouse (female):>5000 mg/kg
Dermal: LD50, rat >2000 mg/kg

Eye May cause tearing, blinking and mild temporary pain. Draize testing in concentration of up to 100% was non-irritating to slightly irritating to rabbits.

Skin May cause mild irritation. Undiluted glycerine stearate patch tests produced irritation in six out of 140 persons tested. A four to five percent concentration applied to broken rabbit skin at 2ml/kg/day, five days a week for 134 weeks caused moderate skin irritation.

Inhalation no sensitizing effects known. High concentration of dust may cause coughing and mild temporary irritation. Repeated prolonged exposure may cause temporary increased mucous flow in the nose and respiratory system airways

Ingestion No acute toxic effects are known due to ingestion of this product.

Chronic effects Feeding studies of 25% in rat diet over two years showed an increase in liver weight and kidney calcification.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity Fish -LCO, 96h. Brachydanio rerio: > 10000mg/L [static]
Invertebrates -EC50, 48h. Daphnia magna :>100mg/L [static]

Persistence and degradation Based on similar product, it is considered readily biodegradable(90% after 28 days).

Bioaccumulation It is not expected to bioaccumulate in the environment.

Mobility in soil not available



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Other adverse effects Water hazard class 1 : slightly hazardous to water.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal The preferred options for disposal include reuse, recycling, co-processing, finding a use for a by-product, incineration or other thermal destruction process at licensed facilities. All procedures must follow specific operation standards in order to reduce health, safety and environmental risks. Perform co-processing, incineration or other thermal destruction process at facilities capable of minimizing or reducing air pollution emissions

Container disposal Do not cut or pierce the packaging, nor do hot work near them. Do not remove labels until the product has been fully removed and the packaging cleaned. The preferred options for disposal include reuse, recycling or reclamation at licensed facilities. All procedures must follow specific operation standards in order to reduce health, safety and environmental risks. The disposal must comply with local legislation and be in accordance with standards from local environmental agencies.

SECTION 14 - TRANSPORT INFORMATION

United Nations number not available

Identification Product not classified as hazardous

Transportation of Dangerous Goods Regulations Product not classified as hazardous

Packing group not classified

Environmental hazards Product not classified as hazardous

Bulk transport not classified

Special precautions not available

SECTION 15 - OTHER REGULATORY INFORMATION

Federal, international and other regulations Product not classified as hazardous

Other classification not available



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SECTION 16 - OTHER INFORMATION

Last Updated 20-03-2017

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