GREEN VALLEY LABORATORY

Safety Data Sheet

SECTION 1 - Identification

Product identifier used on the label

Product identifier	Eumulgin® SG

Recommended use of the chemical and restriction on use

Recommended use*	emulsifier
Suitable for use in industrial sector	chemical industry

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Other means of identification

Synonyms	Sodium Stearoyl Glutamate

1.3 Details of the supplier of the Safety Data Sheet

Supplier Name	Green Valley Laboratory
Address	435 Hartford Pike, Killingly, CT 06241, USA
Contact	Help@dauphineorganics.com
Phone	n/a

1.4 Emergency telephone number

Emergency Phone No.	CHEMTREC Emergency Call Center +1 800-424-9300 (US & Canada) - +1 703-527-3887 (Europe)

SECTION 2 - Hazard Identification

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Classification of the product

Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic
Combustible Dust	Combustible Dust (1)	Combustible Dust

Label elements

Hazard Pictogram	
Signal Word	Warning

Hazard Statement

	May form combustible dust concentration in air.
H319	Causes serious eye irritation.

H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention)

P280	Wear eye/face protection.
P273	Avoid release to the environment.
P264	Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response)

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Disposal)

P501	Dispose of contents/container to hazardous or special waste collection point.

According to Controlled Products Regulations (CPR) (SOR/88-66)

Emergency overview

CAUTION:

Causes eye irritation.

May form flammable dust-air mixture.

SECTION 3 - Composition / Information on Ingredients

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

CAS Number	Weight %	Chemical name
57-11-4	>= 3.0 - < 5.0%	stearic acid

According to Controlled Products Regulations (CPR) (SOR/88-66)

CAS Number	Weight %	Chemical name
57-11-4	>= 3.0 - < 5.0%	stearic acid

SECTION 4 - First Aid Measures

Description of first aid measures

If inhaled	Remove victim to fresh air and away from exposure immediately. If breathing has stopped, administer artificial respiration. Immediate medical attention required.
If on skin	After contact with skin, wash immediately with plenty of water and soap.
If in eyes	Wash affected eyes for at least 15 minutes under running water with eyelids held open. Do not rub eyes; mechanical action may cause corneal damage. If adverse health effects develop seek medical attention.
If swallowed	Call a poison control center or physician for treatment advice.

Most important symptoms and effects, both acute and delayed

Symptoms	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.
Hazards	No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment	Treat symptomatically.

SECTION 5 - Fire Fighting Measures

Extinguishing media

Suitable extinguishing media	water spray, dry powder, foam
Unsuitable extinguishing media for safety reasons	carbon dioxide

Special hazards arising from the substance or mixture

Hazards during fire-fighting	harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting	Wear self-contained breathing apparatus and chemical-protective clothing.
Further information	Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

SECTION 6 - Accidental Release Measures

Further accidental release measures:

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid dust formation.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

Dispose of absorbed material in accordance with regulations.

Nonsparking tools should be used.

SECTION 7 - Handling and Storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion	Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers	Paper/Fibreboard, Polypropylene (PP), High density polyethylene (HDPE)
Further information on storage conditions	Keep container tightly closed and dry; store in a cool place.

Storage stability	Storage temperature: <= 40 °C

SECTION 8 - Exposure Controls / Personal Protection

Components with occupational exposure limits

stearic acid	ACGIH TLV	TWA value 10 mg/m3 ;

Advice on system design	Local exhaust ventilation preferred.

Personal protective equipment

Respiratory protection	Breathing protection if dusts are formed.
Hand protection	Plastic gloves, Rubber gloves
Eye protection	Safety glasses with side-shields (frame goggles) (e.g. EN 166)
Body protection	Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).
General safety and hygiene measures	Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - Physical and Chemical Properties

Form	solid, powder	
Odour	characteristic	
Odour threshold	not applicable	
Colour	white	
pH value	8.3 - 9.0 (20 °C)	
melting point (decomposition)	>= 252 °C (approx. 1,013 hPa) The substance / product decomposes.	(OECD Guideline 102)
decomposition point	>= 258 °C (approx. 1,013 hPa) The substance / product decomposes.	(OECD Guideline 103)
Flash point	> 101 °C	
Flammability	not flammable	
Flammability of Aerosol Products	not applicable, the product does not form flammable aerosoles	
Lower explosion limit	For solids not relevant for classification and labelling.	
Upper explosion limit	For solids not relevant for classification and labelling.	
Autoignition	not determined	
Vapour pressure	<= 0.0057 Pa (20 °C)	(OECD Guideline 104)
Bulk density	972 kg/m3 (20 °C)	(Directive 92/69/EEC, A.3)
Vapour density	not applicable	
Partitioning coefficient n-octanol/water (log Pow)	<= -1.85 (20 °C)	(Directive 92/69/EEC, A.8)
Self-ignition temperature	Keep away from heat, spark, and open flames.	
Thermal decomposition	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic	not applicable, the product is a solid	
Viscosity, kinematic	not applicable, the product is a solid	
Solubility in water	miscible	
Solubility (qualitative)	miscible solvent(s): distilled water,	
Evaporation rate	The product is a non-volatile solid.	
Other Information	If necessary, information on other physical and chemical parameters is indicated in this section. No further information available.	

SECTION 10 - Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties	not fire-propagating

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Reacts with oxidizing agents. Reacts with bases. Reacts with strong acids.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

No substances known that should be avoided.

Hazardous decomposition products

Decomposition products	No hazardous decomposition products if stored and handled as prescribed/indicated.
Thermal decomposition	No decomposition if stored and handled as prescribed/indicated.

SECTION 11 - Toxicological Information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry

Inhalation.

Dermal contact.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: May be harmful if swallowed in large quantities. May cause respiratory irritation.

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Dermal

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (OECD Guideline 402)

No mortality was observed.

Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation.

Not irritating to the skin.

Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

Eye

Species: rabbit

Result: Irritant.

Method: OECD Guideline 405

Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity	Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects.
Genetic toxicity	Assessment of mutagenicity: The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture.
Carcinogenicity	Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.
Reproductive toxicity	Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.
Teratogenicity	Assessment of teratogenicity: No data was available concerning toxicity to development.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

SECTION 12 - Ecological Information

Toxicity

Toxicity to fish

LC50 > 10 - 100 mg/l

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic invertebrates

EC50 > 10 - 100 mg/l, Daphnia magna

The statement of the toxic effect relates to the analytically determined concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic plants

EC50 > 100 mg/l, Scenedesmus subspicatus (OECD Guideline 201)

Chronic toxicity to aquatic invertebrates

No observed effect concentration > 0.1 - 1 mg/l, Daphnia magna (OECD Guideline 211)

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

bacterium/EC0: > 100 mg/l

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Persistence and degradability

Assessment biodegradation and elimination (H2O)	Readily biodegradable (according to OECD criteria).
Elimination information	The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Bioaccumulative potential

Assessment bioaccumulation potential	Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments	Adsorption to solid soil phase is not expected.

SECTION 13 - Disposal Considerations

Waste disposal of substance	Must be disposed of or incinerated in accordance with local regulations.
Container disposal	Since emptied container retains product residue, all labeled hazard precautions must be observed.

SECTION 14 - Transport Information

Land transport TDG	Not classified as a dangerous good under transport regulations
Sea transport IMDG	Not classified as a dangerous good under transport regulations
Air transport IATA/ICAO	Not classified as a dangerous good under transport regulations

SECTION 15 - Regulatory Information

Federal Regulations

Registration status:

Chemical	DSL, CA	released; restriction on quantity / not listed
CEPA, NDSL		
Cosmetic	DSL, CA	released / exempt
Canada ICL		
Pharma	DSL, CA	released / exempt
Canada ICL		

According to Controlled Products Regulations (CPR) (SOR/88-66)

WHMIS classification	D2B: Materials Causing Other Toxic Effects - Toxic material

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

SECTION 16 - Other Information

SDS Prepared by	
SDS Prepared on	2015/06/11

END OF DATA SHEET

Source document control

Source SDS revision	1.0
Source SDS date	2015/06/11

DISCLAIMER

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

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