



SAFETY DATA SHEET

SDS CLP478EN2.1
Rev: 04/2020

1 - IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifiers

Product Name **VegeLuron® Gel ECO**
Product Code 561

1.2 Relevant identified uses of the substance or mixture and used advised against

Utilization Laboratory chemicals, Manufacture of substances
Raw material for cosmetic application

1.3 Details of the supplier of the safety data sheet

Supplier MMP, Inc. 3470 So. Clinton Ave., So. Plainfield, NJ 07080, USA
Telephone / Fax Tel: (908) 561-4435 Fax: (908) 561-4780

1.4 Emergency telephone number

Emergency Telephone Number MMP, Inc. (908) 561-4435

2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a dangerous substance or mixture according to OSHA Hazard Communication Standard 2012.
The product is not classified as hazardous in accordance with Regulation (EC) N° 1272/2008 (CLP).

2.2 Label elements, including precautionary statement

The product does not need to be labeled in accordance with OSHA and EC Regulation (CLP).

2.3 Other Hazards

To the best of our knowledge, the product itself does not present other risk for health and the environment in normal use conditions and in its original form.

3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Substances posing a danger to health or the environment in accordance with the Regulation (EC) N° 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Components	Identifiers	Concentration	Classification according to Regulation (EC) n° 1272/2008 (CLP)
Gluconolactone	CAS N° : 90-80-2, EINECS N° : 202-016-5	Ca. 1-5 %	Eye irritation (Category 2), H319
Sodium Benzoate	CAS N° : 532-32-1, EINECS N° : 208-534-8	Ca. < 1 %	Eye irritation (Category 2), H319

For the full text of the H-statements mentioned above, see Section 15.

Other components : Remaining components of this product are proprietary, non-hazardous and/or are present at concentrations below reportable limits.

Additional information : Amounts specified are typical and do not represent a specification.

4 - FIRST AID MEASURES

4.1 Description of first aid measures

General advice If you feel unwell, seek medical advice. Show this MSDS to the doctor in attendance. Move out of dangerous area. Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes.

If inhaled If breathed in, move person to fresh air. If systems persist, call a physician. If not breathing, give artificial respiration.

In case of skin contact Immediately flush skin with plenty of soap and water. If skin irritation persists, call a physician.

In case of eye contact Protect unharmed eye. If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water and seek medical advice.

If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a physician.

Proper equipment in work area Eye washer

4.2 Most important symptoms and effects, both acute and delayed.

To the best of our knowledge, the chemical, physical, and toxicological properties have not yet been thoroughly investigated.

4.3 Indication of immediate medical attention and special treatment needed.

No data available.

5 - FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media Water spray, Carbon dioxide, dry chemical powder or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

These products are carbon oxides (CO, CO₂) and nitrogen oxides (NO_x).

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing for fire fighting if necessary.

6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate personal protective equipment. Avoid contact with skin and eyes.
Ensure adequate ventilation. Avoid breathing fumes, gas, mist, vapors or spray.
Keep people away from or upwind of spill/leak. Use individual protective equipment appropriate to Section 8.

6.2 Environmental precautions

Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and clean-up

Prevent further leakage or spillage if safe to do so. Use mechanical handling equipment to place in suitable, closed containers and hold for waste disposal.
After material pickup is complete, ventilate area and clean contaminated surface thoroughly.

6.4 Reference to other sections

For personal precautions, use appropriate personal protective equipment according to Section 8. For disposal see Section 13.

7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Use appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed container in a dry and well-ventilated area. Keep away from direct light and humidity.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

8 - EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters.

8.2 Exposure controls

Handle according to general industrial hygiene and safety practice. Do not breath vapour or mist. Avoid contact with skin, eyes and clothing.

When using, do not eat, drink or smoke. Wash hands after each manipulation, before every break and at the end of the workday.

Follow the skin protection plan. Immediately remove contaminated clothing.

Eye protection	Safety glasses with side-shields. Use eye protection equipment tested and approved NIOSH (US) or EN166 (EU).
Skin protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. In case of contamination with product, change the gloves immediately. Wash and dry hands.
Body protection	Work clothes, lab coat or complete suit. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Measures to prevent exposure	General industrial hygiene practice. See Section 6 and 12.

9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Color	Clear, colorless
Odour	Characteristic
Odour threshold	Not available
pH	3 - 5
Melting point	Not available
Boiling point	Not available
Flash point	> 100°C
Evaporation rate	Not available
Flammability	Not available
Upper/lower flammability or explosive li	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Soluble in glycols
Hydrosolubility	Soluble
Partition coefficient n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

9.2 Other information

Not available

10 - STABILITY AND REACTIVITY

10.1 Reactivity	Not available
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	Not available
10.4 Conditions to avoid	Direct light and excessive heat.
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products	Carbon oxides (CO, CO ₂) and nitrogen oxides (NO _x). In the event of fire, see Section 5.

11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	LD50 Oral (rat)	10500 mg/kg (propanediol)
	LD50 Oral (rat)	> 2000 mg/kg (OECD 401) (Based on a similar substances) (gluconolactone)
	LD50 Dermal (rat)	> 4200 mg/kg (propanediol)
	LD50 Dermal (rat)	> 2000 mg/kg - 24h (OECD 402) (Based on a similar substances) (gluconolactone)
Skin corrosion/irritation	Skin (rabbit)	Mild skin irritation - 24h (OECD 404) (propanediol)
Serious eye damage/eye irritation	Eyes (rabbit)	No eye irritation - 24h (OECD 405) (propanediol)
Respiratory or skin sensitization	Not available	
Germ cell mutagenicity	Not available	
Carcinogenicity	ACGIH, NTP, OSHA: No component of this product is known to present levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen. Not classified as carcinogenic, mutagenic or toxic for reproduction, category 1A,1B and 2, pursuant to Regulation (EC) n° 1272/2008.	
Reproductive toxicity	Oral (mouse)	No observed adverse effect level: 695 mg/kg body weight - 20d (OECD 414) (gluconolactone)
STOT - single exposure	Not available	
STOT - repeated exposure	Not available	
Aspiration hazard	Not available	

12 - ECOLOGICAL INFORMATION

12.1 Toxicity	Toxicity to fish	LC50 Pimephales promelas (fathead minnow) : > 9.720 mg/l - 96h (OECD 203) (propanediol)
	Toxicity to fish	LC50 Leuciscus idus (Golden orfe) : 360 mg/l - 48h (DIN 38412 Part 15) (gluconolactone)
	Toxicity to daphnia	EC50 Daphnia magna (Water flea) : 7.417 mg/l - 48h (OECD 202) (propanediol)
	Toxicity to daphnia	EC50 Daphnia magna (Water flea) : 305 mg/l - 24h (OECD 202) (gluconolactone)
	Toxicity to algae	EbC50 Desmodesmus subspicatus (green algae) : 1.600 mg/l - 72h (OECD 201) (propanediol)
	Toxicity to algae	ErC50 Scenedesmus capricornutum (fresh water algae) : > 500 mg/l - 72h (DIN 38412) (gluconolactone)
12.2 Persistence and degradability	Chronic toxicity to	EC50 Pseudomonas putida : > 500 mg/l - 16h (DIN 38412 Part 8) (gluconolactone)
12.3 Bioaccumulative potential	Readily biodegradable	71% biodegradation - 28d, closed bottle test (OECD 301B) (gluconolactone)
12.4 Mobility in soil	Not available	
12.5 Results of PBT and vPvB assessment	Not available	
12.6 Other adverse effects	Not available	

13 - DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Advice on disposal of product / packaging	Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in original containers. Handle uncleaned containers like the product itself.
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14 - TRANSPORT CONSIDERATIONS

14.1 UN number	Not regulated		
14.2 UN proper shipping name	Not regulated		
14.3 Transport hazard class(es)	ADR / RID : Not regulated	IMDG : Not regulated	IATA : Not regulated
14.4 Packaging group	Not regulated		
14.5 Environmental hazards	Not regulated		
14.6 Special precautions for user	Not regulated		

15 - REGULATORY INFORMATION

To the best of our knowledge, the chemical, physical, and toxicological properties have not yet been thoroughly investigated.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S.A.

California Prop. 65 Components This product does not contain any chemicals know to the State of California to cause cancer, birth defects, or any other reproductive harm.

Europe

Full text of H-Statements referred to under sections 2 and 3

Hazard statement(s) H319 : Causes serious eye irritation.

16 - OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. Users should be trained personnel and users must be aware of the potential risks of using a product beyond the scope of what the product is intended for. 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.