

## 1 - Identification

<b>Product Identifier</b>	
<b>Product Name</b>	VegeMulse NG
<b>REACH Product Name</b>	Acetalization product between glucose and C16/18 (even numbered) alcohol
<b>REACH Registration Number</b>	01-2119382604-36-0000
<b>Material Uses</b>	Emulsifying agent. Manufacture of cosmetics. Non ionic surfactant.
<b>Address</b>	Ingredients To Die For, 11100 Metric Blvd Ste. D, Austin, TX 78758
<b>Phone</b>	512-535-2711
<b>Emergency Phone Numbers</b>	Chemtrec Emergency Hotline: 800-424-9300 (US and Canada) United Kingdom: 999

## 2 - Hazard(s) Identification

<b>Classification according to Regulation (EG) No. 1272/2008 [CLP/GHS]</b>	Not classified.
<b>Classification according to Directive</b>	Not classified.
	See Section 16 for the full text of the R phrases or H statements declared above.
	See Section 11 for more detailed information on health effects and symptoms.
<b>Signal Word</b>	No signal word
<b>Hazard Statements</b>	No known significant effects or critical hazards.
<b>Precautionary Statements</b>	Acetalization product between glucose and C16/18 (even numbered) alcohol
<b>Substance meets the criteria for PBT according to Regulation (EC) No.</b>	P: Not available. B: Not available. T: No
<b>Substance meets the criteria for vPvB according to Regulation (EC) No.</b>	Not available.
<b>Other hazards which do not result in Additional Information</b>	None known. Store under cover. Keep away from heat.

### 3 - Composition/Information on Ingredients

<b>Substances</b>	UVCB
<b>INCI Name</b>	Cetearyl Alcohol and Cetearyl Glucoside
<b>Product/Ingredient Name</b>	Acetalization product between glucose and C16/18 (even numbered) alcohol
<b>Identifiers</b>	REACH #: 01/2119382604-36 80-100
<b>Classification</b>	
<b>67/548/EEC</b>	Not classified.
<b>Regulation (EC) No. 1272/2008 [CLP]</b>	Not classified.
<b>Type</b>	[*] Substance. [A] Constituent [B] Impurity [C] Stabilising additive

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the Occupation exposure limits, if available, are listed in Section 8.

### 4 - First-Aid Measures

#### Description of first aid measures

#### Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for remove any contact lenses. Get medical attention if irritation occurs.

#### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

#### Skin Contact

Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

#### Ingestion

Wash out mouth with water. Remove victim to fresh air and keep atrest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

#### Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

#### Most important symptoms, both acute and delayed

#### Potential acute health effects

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<b>Eye Contact</b>	No known significant effects or critical hazards.
<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Skin Contact</b>	No known significant effects or critical hazards.
<b>Ingestion</b>	No known significant effects or critical hazards.
<b>Over-exposure signs/symptoms</b>	
<b>Eye Contact</b>	No specific data.
<b>Inhalation</b>	No specific data.
<b>Skin Contact</b>	No specific data.
<b>Ingestion</b>	No specific data.
<b>Indication of any immediate medical attention and special treatment needed</b>	
<b>Notes to Physician</b>	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	No specific treatment.

## 5 - Fire-Fighting Measures

<b>Suitable extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.
<b>Special hazards arising from the substance or mixture</b>	
<b>Hazards from the substance or mixture</b>	No specific fire or explosion hazard.
<b>Hazardous thermal decomposition products</b>	Decomposition products may include the following materials: carbon dioxide, carbon monoxide
<b>Advice for firefighters</b>	
<b>Special protective actions for fire-fighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fight</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through split material. Put on appropriate personal protective equipment.

#### For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in For non-emergency personnel.

#### Environmental precautions

Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers.. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

#### Small spill

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

#### Large spill

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

#### Reference to other sections

See Section 1 for emergency information

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste information.

## 7 - Handling and Storage

### Precautions for safe handling

#### Protective procedures

Put on appropriate personal protective equipment (see Section 8).

#### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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**Conditions for safe storage, including any incompatibilities**

Do not store above the following temperature: 40 C (104 F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental regulation.

**Specific end use(s)**

**Recommendations**

Not available.

**Industrial sector specific solutions**

Not available.

**8 - Exposure Controls/Personal Protection**

**Control Parameters**

**Occupational exposure limits**

No exposure limit value known.

**Recommended monitoring procedures**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods of determination of hazardous substances will also be required.

**DNELs/DMELs**

Product/Ingredient Name	Type	Exposure	Value
Acetalization product between glucose and C 16/18 (even	DNEL	Long term Dermal	1, 11 mg/kg bw/day
	DNEL	Long term Inhalation	7,84 mg/m <sup>3</sup>

**PNECs**

Product/Ingredient Name	Type	Compartment Detail	Value
Acetalization product between glucose and C 16/18 (even	PNEC	Fresh water	0, 1 mg/l
	PNEC	Marine	0,01 mg/l
	PNEC	Sediment	927 mg/kg

**Exposure Controls**

**Appropriate engineering controls**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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**Hygiene Measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Individual Protection Measures**

**Eye/face protection**

Safety eye ware complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection**

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9 - Physical and Chemical Properties

### Information on basic physical and chemical properties

**Appearance**

<b>Physical state</b>	Solid [Pellets]
<b>Color</b>	White
<b>Odor</b>	Characteristic
<b>pH</b>	5,5 to 7,5 [Conc. (% w/w): 5%]
<b>Melting Point/freezing point</b>	61 to 65 C
<b>Initial boiling point and boiling range</b>	300 to 355 C
<b>Flash point</b>	Closed cup: 195,5 C [ASTM D 93]
<b>Flammability of the product</b>	Non-flammable
<b>Vapor pressure</b>	0,0000012 kPa [room temperature]
<b>Relative density</b>	0,89
<b>Solubility</b>	Insoluble in the following materials: cold water Dispersible in the following materials: hot water
<b>Water solubility (g/l)</b>	<=0,001 g/l
<b>Partition coefficient: n-octanol/water</b>	7,7
<b>Oxidizing properties</b>	None
<b>Granulometry</b>	2.8 - 4 mm : >96%

## 10 - Stability and Reactivity

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	No specific data.
<b>Incompatible materials</b>	No specific data.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 - Toxicological Information

### Information on toxicological effects

<b>Acute toxicity</b>	Not classified as dangerous.	
<b>Irritation/Corrosion</b>		
<b>Skin</b>	Non-irritating to the skin.	
<b>Eyes</b>	Non-irritating to the eyes.	
<b>Sensitisation</b>		
<b>Skin</b>	Non-sensitiser to skin.	
<b>Mutagenicity</b>		
<b>Test</b>	<b>Experiment</b>	<b>Result</b>
OCDE 471	Experiment: In vitro Subject: Bacteria	Negative
OCDE 476	Experiment: In vitro Subject: Mammalian-Animal	Negative
OCDE 473	Experiment: In vitro	Negative
<b>Conclusion</b>	Not mutagenic in a standard battery of genetic toxicological tests.	
<b>Carcinogenity</b>	Not available.	
<b>Reproductive toxicity</b>		
<b>Maternal Toxicity</b>	Negative	
<b>Fertility</b>	Negative	
<b>Developmental toxin</b>	Negative	
<b>Test</b>	OCDE 414 & OCDE 407	
<b>Dose</b>	Oral: 1000 mg/kg bw/day	
<b>Exposure</b>		
<b>Conclusion/summary</b>	No known significant effects or critical hazards.	
<b>Teratogenicity</b>	Not available.	
<b>Conclusion/summary</b>	Not available.	
<b>Specific target organ toxicity (single expo</b>	Not available.	
<b>Specific target organ toxicity (repeated ex</b>	Not available.	
<b>Aspiration hazard</b>	Not available.	
<b>Delayed and immediate effects and also chronic effects from short and long term exposure</b>		
<b>Short term exposure</b>		
<b>Long term exposure</b>		
<b>Potential chronic health effects</b>		
<b>Chronic toxicity</b>		
<b>Product/Ingredient Name</b>	VegeMulse NG	



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<b>Result</b>	Chronic NOAEL Oral
<b>Test</b>	OCDE 407
<b>Dose</b>	1000 mg/kg bw/day
<b>Exposure</b>	28 days
<b>Conclusion/summary</b>	Not classified as dangerous.
<b>General</b>	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	No known significant effects or critical hazards.
<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental effects</b>	No known significant effects or critical hazards.
<b>Fertility effects</b>	No known significant effects or critical hazards.
<b>Other information</b>	Not available.

## 12 - Ecological Information

### Ecological information

#### Toxicity

Result	Test	Species	Exposure
Acute EC50 > 100 mg/l	OCDE 201	Algae - Desmodesmus subspicatus	72 hours
Acute EC50 > 100 mg/l Fresh water	OCDE 202	Daphnia - Daphnia magna	48 hours
Acute LC50 > 100 mg/l Fresh water	OCDE 203	Fish - Danio rerio	96 hours

**Conclusion/summary** Not classified as dangerous.

#### Persistence and degradability

<b>Test</b>	OCDE 301B
<b>Result</b>	97,4 % - Readily - 28 days
<b>Dose</b>	20 mg/l

#### Aquatic half-life

#### Photolysis

**Biodegradability** Readily

**Inoculum** Activated sludge

**Conclusion/summary** This product is readily biodegradable.

#### Bioaccumulative potential

LogPow	BCF	Potential
7,7		

#### Mobility in soil

**Soil/water partition coefficient (Koc)** >5.63

#### Results of PBT and vPvB assessment

**PBT** No  
 P: Not available. B: Not available. T: No

**vPvB** Not available.

vP: Not available. vB: Not available.

**Other adverse effects** No known significant effects or critical hazards.

## 13 - Disposal Considerations

### Waste treatment methods

#### Product

#### Methods of disposal

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

#### Hazardous waste

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

#### Packaging

#### Methods of disposal

The generation of waste should not be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

#### Special precautions

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## 14 - Transport Information

Transportation information	UN Number	Environmental hazards
ADR/RID	Not regulated	No
ADN	Not regulated	No
IMDG	Not regulated	No
IATA	Not regulated	No
Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available.	

## 15 - Regulatory Information

### Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances to authorization

Annex XIV None of the components are listed.

Substances of very high concern None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and Not applicable.

Other EU regulations

Europe inventory Not determined.

Chemical Safety Assessment Not applicable.

## 16 - Other Information

### Other information

#### Abbreviations and acronyms

ATE = Acute Toxicity Estimate

CLP = Classification, Labeling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification Not classified.

Full text of abbreviated H statements Not applicable.

Full text of classifications [CLP/GHS] Not applicable.

Full text of abbreviated R statements Not applicable.

Full text of classifications [DSD/DPD] Not applicable.

#### History

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Date of previous issue No previous validation.

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