

### 1 - Identification

**Product Identifier** 

Product Name VegeMulse NG

REACH Product Name Acetalization product between glucose and C16/18 (even numbered) alcohol

REACH Registration Number 01-2119382604-36-0000

Material Uses Emulsifying agent. Manufacture of costmetics. Non ionic surfactant.

Address Ingredients To Die For, 11100 Metric Blvd Ste. D, Austin, TX 78758

Phone 512-535-2711

Emergency Phone Numbers Chemtrec Emergency Hotline: 800-424-9300 (US and Canada)

United Kingdom: 999

# 2 - Hazard(s) Identification

Classification according to Regulation

(EG) No. 1272/2008 [CLP/GHS]

Classification according to Directive

Not classified.

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.

Signal Word No signal word

**Hazard Statements** No known significant effects or critical hazards.

Precautionary Statements Acetalization product between glucose and C16/18 (even numbered) alcohol

Substance meets the criteria for PBT

according to Regulation (EC) No.

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

Substance meets the criteria for vPvB

according to Regulation (EC) No.

Not available.

Other hazards which do not result in

None known.

Additional Information

Store under cover. Keep away from heat.



## 3 - Composition/Information on Ingredients

Substances UVCB

INCI Name Cetearyl Alcohol and Cetearyl Glucoside

Product/Ingredient Name Acetalization product between glucose and C16/18 (even numbered) alcohol

Identifiers REACH #: 01/2119382604-36

80-100

Classification

**67/548/EEC** Not classified. Regulation (EC) No. 1272/2008 [CLP] Not classified.

Type [\*] 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.

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

if symptoms occur.

Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Get medical Skin Contact

attention if symptoms occur.

Wash out mouth with water. Remove victim to fresh air and keep atrest in a position comfortable for **Ingestion** 

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.

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

Most important symptoms, both acute and delayed

Potential acute health effects

Protection of first-aiders





Eye ContactNo known significant effects or critical hazards.InhalationNo known significant effects or critical hazards.Skin ContactNo known significant effects or critical hazards.IngestionNo known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye ContactNo specific data.InhalationNo specific data.Skin ContactNo specific data.IngestionNo specific data.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been

ingested or inhaled.

Specific treatments No specific treatment.

## 5 - Fire-Fighting Measures

Unsuitable extinguishing media None known. Special hazards arising from the substance or mixture

Hazards from the substance or mixture No specific fire or explosion hazard.

Decomposition products may include the following materials: carbon dioxide, carbon monoxide

Hazardous thermal decomposition products

Advice for firefighters

Special protective actions for fire-fighters

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.

Special protective equipment for fire-fight

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.

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on For emergency responders

suitable and unsuitable materials. See also the information in For non-emergency personnel.

Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers.. Inform Environmental precautions

the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste Small spill

container. Dispose of via a licensed waste disposal contractor.

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.





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 cafefully 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.

Product/Ingredient Name	Туре	Exposure	Value
Acetalization product between	DNEL	Long term Dermal	1, 11 mg/kg bw/day
glucose and C 16/18 (even		ű	, 0 0 ,
	DNEL	Long term Inhalation	7,84 mg/m3
PNECs			
Product/Ingredient Name	Туре	Compartment Detail	Value
Product/Ingredient Name Acetalization product between	••	·	
•	<b>Type</b> PNEC	Compartment Detail Fresh water	Value 0, 1 mg/l
Acetalization product between	••	·	
Acetalization product between	PNEC	Fresh water	0, 1 mg/l

**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** 

Physical state Solid [Pellets]

**Color** White

**Odor** Characteristic

5,5 to 7,5 [Conc. (% w/w): 5%]

Melting Point/freezing point 61 to 65 C
Initial boiling point and boiling range 300 to 355 C

Flash point Closed cup: 195,5 C [ASTM D 93]

Flammability of the product Non-flammable

Vapor pressure 0,0000012 kPa [room temperature]

Relative density 0,89

**Solubility** Insoluble in the following materials: cold water

Dispersible in the following materials: hot water

Water solubility (g/l) <=0,001 g/l

Partition coefficient: n-octanol/water 7,7

Oxidizing properties None

**Granulometry** 2.8 - 4 mm : >96%

## 10 - Stability and Reactivity

No specific test data related to reactivity available for this product or its ingredients.

Chemical stability The product is stable.

**Possibility of hazardous reactions**Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid No specific data.

Incompatible materials No specific data.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be

produced.



# 11 - Toxicological Information

Information on toxicological effects

Acute toxicity Not classified as dangerous.

Irritation/Corrosion

Skin Non-irritating to the skin.

Eyes Non-irritating to the eyes.

Sensitisation

**Skin** Non-sensitiser to skin.

Mutagenicity

 Test
 Experiment
 Result

 OCDE 471
 Experiment: In vitro
 Negative

Subject: Bacteria

OCDE 476 Experiment: In vitro Negative

Subject: Mammalian-Animal

OCDE 473 Experiment: In vitro Negative

**Conclusion** Not mutagenic in a standard battery of genetic toxicological tests.

Carcinogenity Not available.

Reproductive toxicity

Maternal ToxicityNegativeFertilityNegativeDevelopmental toxinNegative

 Test
 OCDE 414 & OCDE 407

 Dose
 Oral: 1000 mg/kg bw/day

**Exposure** 

**Conclusion/summary** No known significant effects or critical hazards.

Teratogenicity

Conclusion/summary

Not available.

Specific target organ toxicity (single expo Not available.

Specific target organ toxicity (repeated ex Not available.

Aspiration hazard

Not available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure Long term exposure

Potential chronic health effects

**Chronic toxicity** 

Product/Ingredient Name VegeMulse NG



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Result Chronic NOAEL Oral

Test OCDE 407

**Dose** 1000 mg/kg bw/day

**Exposure** 28 days

Conclusion/summary Not classified as dangerous.

GeneralNo known significant effects or critical hazards.CarcinogenityNo known significant effects or critical hazards.MutagenicityNo known significant effects or critical hazards.TeratogenicityNo known significant effects or critical hazards.Developmental effectsNo known significant effects or critical hazards.Fertility effectsNo known significant effects or critical hazards.

Other information Not available.



# 12 - Ecological Information

**Ecological information** 

**Toxicity** 

Result Test **Species Exposure** Acute EC50 > 100 mg/l **OCDE 201** Algae - Desmodesmus subspicatus 72 hours OCDE 202 Acute EC50 > 100 mg/l Fresh water 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

Test OCDE 301B

97,4 % - Readily - 28 days Result

Dose 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 lingers 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
	Transport within user"s premises: always transport in closed containers that are upright and secure	

Special precautions for user

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

Not determined. **Europe inventory 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

Date of printing 09/03/15 Date of issue/Date of revision 09/03/15

Date of previous issue No previous validation.

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