

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 cosmetics. 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]	Not classified.
Classification according to Directive	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 Additional Information	None known. 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.

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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Eye Contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin Contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Over-exposure signs/symptoms	
Eye Contact	No specific data.
Inhalation	No specific data.
Skin Contact	No specific data.
Ingestion	No 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

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
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.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide, carbon monoxide
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.

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 ³

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

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

0,000012 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

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 Subject: Bacteria	Negative
OCDE 476	Experiment: In vitro Subject: Mammalian-Animal	Negative
OCDE 473	Experiment: In vitro	Negative

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

Carcinogenicity Not available.

Reproductive toxicity

Maternal Toxicity Negative

Fertility Negative

Developmental toxin Negative

Test OCDE 414 & OCDE 407

Dose Oral: 1000 mg/kg bw/day

Exposure

Conclusion/summary No known significant effects or critical hazards.

Teratogenicity Not available.

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.
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No 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
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

Test	OCDE 301B
Result	97,4 % - Readily - 28 days
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
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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