

**GLUCOPURE FOAM**

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Substance key: 000000476401

Revision Date: 09.03.2017

Version : 8 - 2 / EU

Date of printing : 18.12.2017

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Trade name

**GLUCOPURE FOAM**

Material number: 275450

Chemical nature: Glucamide in aqueous-glycolic solution

INCI name: Cocoyl Methyl Glucamide

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

**1.3. Details of the supplier of the safety data sheet**

**Identification of the company**

Clariant Produkte (Deutschland) GmbH  
65926 Frankfurt am Main  
Telephone no. : +49 69 305 18000

**Information about the substance/mixture**

BU Industrial & Consumer Specialties  
Product Stewardship  
e-mail: SDS.Europe@clariant.com

**1.4. Emergency telephone number**

00800-5121 5121 (24 h)

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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

Serious eye damage, Category 1                      H318: Causes serious eye damage.

**2.2 Label elements**

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms                      :



Signal word                                      :    Danger

Hazard statements                            :    H318    Causes serious eye damage.

Precautionary statements                :    **Prevention:**  
P280    Wear eye protection/ face protection.

**Response:**  
P305 + P351 + P338 + P310    IF IN EYES: Rinse cautiously

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with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Hazardous components which must be listed on the label:

D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

No additional hazards are known except those derived from the labelling.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.	Not Assigned  01-2120041462-67-0000	Eye Dam. 1; H318	>= 30 - < 50

For explanation of abbreviations see section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

- General advice : Remove/Take off immediately all contaminated clothing. Get medical advice/ attention if you feel unwell.
- If inhaled : If inhaled, remove to fresh air. Get medical advice/ attention.
- In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

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

- Symptoms : irritant effects
- Risks : Causes serious eye damage.

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**4.3 Indication of any immediate medical attention and special treatment needed**

Treatment : Treat symptomatically.

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide

**5.3 Advice for firefighters**

Special protective equipment for firefighters : Self-contained breathing apparatus

Further information : Wear suitable protective equipment.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Wear suitable protective equipment.  
Ensure adequate ventilation.

**6.2 Environmental precautions**

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Treat recovered material as described in the section "Disposal considerations".

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**6.4 Reference to other sections**

Information regarding Safe handling, see chapter 7., For personal protection see section 8., For disposal considerations see section 13.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

- Advice on safe handling : Provide adequate ventilation.
- Advice on protection against fire and explosion : Observe the general rules of industrial fire protection
- Hygiene measures : Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

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

- Further information on storage conditions : Keep containers tightly closed in a cool, well-ventilated place. Store in cool place. Store in a dry place.

**7.3 Specific end use(s)**

- Specific use(s) : No further recommendations.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

Substance name	End Use	Exposure routes	Potential health effects	Value
Propylene Glycol CAS-No.: 57-55-6	Workers	Inhalation	Long-term systemic effects	168 mg/m <sup>3</sup>
Remarks:	DNEL			
	Workers	Inhalation	Long-term local effects	10 mg/m <sup>3</sup>
Remarks:	DNEL			
	Consumers	Inhalation	Long-term systemic effects	50 mg/m <sup>3</sup>
Remarks:	DNEL			
	Consumers	Inhalation	Long-term local effects	10 mg/m <sup>3</sup>
Remarks:	DNEL			
	Consumers	Skin contact	Long-term systemic effects	213 mg/m <sup>3</sup>
	Consumers	Ingestion	Long-term systemic effects	85 mg/m <sup>3</sup>

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D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.	Workers	Inhalation	Long-term systemic effects	10,58 mg/m <sup>3</sup>
Remarks:	DNEL			
	Workers	Skin contact	Long-term systemic effects	30 mg/kg bw/day
Remarks:	DNEL			

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**

Substance name	Environmental Compartment	Value
Propylene Glycol CAS-No.: 57-55-6	Fresh water	260 mg/l
	Marine water	26 mg/l
	Water (intermittent release)	183 mg/l
	Sewage treatment plant	20000 mg/l
	Fresh water sediment	572 mg/kg dry weight (d.w.)
	Marine sediment	57,2 mg/kg dry weight (d.w.)
	Soil	50 mg/kg dry weight (d.w.)
D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.	Fresh water	0,32 mg/l
	Marine water	0,032 mg/l
	Water (intermittent release)	0,059 mg/l
	Fresh water sediment	43,4 mg/kg dry weight (d.w.)
	Marine sediment	4,3 mg/kg dry weight (d.w.)
	Sewage treatment plant	0,8 mg/l
	Soil	36,6 mg/kg dry weight (d.w.)

**8.2 Exposure controls**

**Personal protective equipment**

Eye protection : Depending on the risk, wear sufficient eye protection (safety glasses with side protection or goggles, and if necessary, face shield.)

Hand protection

Break through time : 480 min  
Glove thickness : 0,7 mm  
Remarks : Long-term exposure Impervious butyl rubber gloves

Break through time : 30 min  
Glove thickness : 0,4 mm  
Remarks : For short-term exposure (splash protection): Nitrile rubber gloves.

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Remarks	:	These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.
Skin and body protection	:	Wear suitable protective equipment.
Respiratory protection	:	Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure Full mask to standard DIN EN 136 Filter A (organic gases and vapours) to standard DIN EN 141 The use of filter apparatus presupposes that the environment atmosphere contains at least 17% oxygen by volume, and does not exceed the maximum gas concentration, usually 0.5% by volume. Relevant guidelines to be considered include EN 136/141/143/371/372 as well as other national regulations.
Protective measures	:	Observe the usual precautions for handling chemicals. Avoid contact with skin and eyes.

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**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance	:	paste
Odour	:	characteristic
Odour Threshold	:	not tested.
pH	:	8,5 - 9,5 (35 °C) Concentration: 10 g/l
Melting point	:	approx. 32 °C
Boiling point	:	approx. 100 °C Based on water-content.
Flash point	:	not tested.
Evaporation rate	:	not tested.
Burning number	:	Not applicable
Upper explosion limit	:	not tested.
Lower explosion limit	:	not tested.
Vapour pressure	:	2,3 hPa (25 °C) Method: EEC 84/449 A.4 Corresp. to vapour pressure of water

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Relative vapour density	:	not tested.
Density	:	approx. 1,046 g/cm <sup>3</sup> (50 °C) Method: DIN 51757
Bulk density	:	Not applicable
Solubility(ies)	:	
Water solubility	:	soluble (40 °C)
Solubility in other solvents	:	39 g/l Data corresponds to that of the active component (20 °C) Solvent: 1-octanol Method: OECD Test Guideline 105
Auto-ignition temperature	:	not tested.
Decomposition temperature	:	> 200 °C Heating rate : 3 K/min Method: DSC
Viscosity	:	
Viscosity, dynamic	:	not tested.
Viscosity, kinematic	:	not tested.
Explosive properties	:	Not explosive
Oxidizing properties	:	There are no chemical groups associated with oxidising properties present in the molecule.

**9.2 Other information**

Minimum ignition energy	:	not tested.
Particle size	:	Not applicable
Self-ignition	:	> 135 °C Method: EC A.16

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**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

See section 10.3. "Possibility of hazardous reactions"

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : No dangerous reaction known under conditions of normal use.

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**10.4 Conditions to avoid**

Conditions to avoid : Keep away from heat and sources of ignition.

**10.5 Incompatible materials**

Materials to avoid : Strong acids and oxidizing agents

**10.6 Hazardous decomposition products**

When handled and stored appropriately, no dangerous decomposition products are known

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**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

**Product:**

Acute oral toxicity : LD50 (Rat): > 2.500 mg/kg  
Method: OECD Test Guideline 423  
Remarks: The values mentioned are those of the active ingredient.

Acute inhalation toxicity : Remarks: not tested.

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: By analogy with a product of similar composition

**Skin corrosion/irritation**

**Product:**

Species: EPISKIN Human Skin Model Test  
Method: OECD Test Guideline 439  
Result: No skin irritation  
Remarks: The values mentioned are those of the active ingredient.

**Serious eye damage/eye irritation**

**Product:**

Species: rabbit eye  
Method: OECD Test Guideline 405  
Result: Risk of serious damage to eyes.

**Respiratory or skin sensitisation**

**Product:**

Method: OECD Test Guideline 406  
Result: non-sensitizing



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**Germ cell mutagenicity**

**Product:**

Genotoxicity in vitro : Test Type: HGPRT assay  
Species: V79 cells (embryonic lung fibroblasts) of the Chinese hamster  
Method: OECD Test Guideline 476  
Result: negative  
Remarks: Information refers to the main component.

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse  
Method: OECD Test Guideline 474  
Result: negative  
Remarks: Information refers to the main component.

Germ cell mutagenicity-Assessment : Not mutagenic in Ames Test

**Carcinogenicity**

**Product:**

Carcinogenicity - Assessment : No information available.

**Reproductive toxicity**

**Product:**

Reproductive toxicity - Assessment : No information available.

No information available.

**STOT - single exposure**

**Product:**

Remarks: not tested.

**STOT - repeated exposure**

**Product:**

Remarks: not tested.

**Repeated dose toxicity**

**Product:**

Species: Rat  
NOAEL: 750 mg/kg  
Exposure time: 28 d  
Method: OECD Test Guideline 407

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Remarks: Information refers to the main component.

**Aspiration toxicity**

**Product:**

no data available

**Further information**

**Product:**

Remarks: The product has not been tested. The information is derived from the properties of the individual components.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Product:**

- |  |   |  |
|--|---|--|
| Toxicity to fish   | : | LC50 (Danio rerio (zebra fish)): 7,5 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203  |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia magna (Water flea)): 5,91 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202<br>Remarks: The values mentioned are those of the active ingredient.  |
| Toxicity to algae  | : | EC50 (Selenastrum capricornutum (green algae)): 30 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201<br><br>NOEC (Selenastrum capricornutum (green algae)): 5,6 mg/l<br>Remarks: The values mentioned are those of the active ingredient. |
| Toxicity to fish (Chronic toxicity)                                    | : | NOEC: 4,8 mg/l<br>Exposure time: 35 d<br>Species: Pimephales promelas (fathead minnow)<br>Remarks: The values mentioned are those of the active ingredient.  |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 3,24 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea)<br>Method: OECD Test Guideline 211<br>Remarks: The values mentioned are those of the active ingredient.  |
| Toxicity to microorganisms   | : | EC50 (activated sludge): 171 mg/l<br>Exposure time: 3 h<br>Method: OECD Test Guideline 209   |

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**12.2 Persistence and degradability**

**Product:**

Biodegradability : Remarks: Not applicable

**12.3 Bioaccumulative potential**

**Product:**

Bioaccumulation : Bioconcentration factor (BCF): 58  
Method: calculated  
Remarks: Low potential for bioaccumulation (log Pow < 3).

**12.4 Mobility in soil**

**Product:**

Distribution among environmental compartments : Remarks: not tested.

**12.5 Results of PBT and vPvB assessment**

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

**12.6 Other adverse effects**

**Product:**

Additional ecological information : The product has not been tested. The information is derived from the properties of the individual components.

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Product : In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

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**SECTION 14: Transport information**

**Section 14.1. to 14.5.**

ADR not restricted

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<b>ADN</b>	not restricted
<b>RID</b>	not restricted
<b>IATA</b>	not restricted
<b>IMDG</b>	not restricted

**14.6. Special precautions for user**

See sections 6 to 8 of this Safety Data Sheet.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code (International Bulk Chemicals Code)**

No transport as bulk according IBC - Code.

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**SECTION 15: Regulatory information**

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Other regulations:

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Take note of Dir 94/33/EC on the protection of young people at work.

Occupational restrictions for pregnant and breast feeding women

**15.2 Chemical safety assessment**

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

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**SECTION 16: Other information**

**Full text of H-Statements**

H318 : Causes serious eye damage.

**Full text of other abbreviations**

Eye Dam. : Serious eye damage

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous

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Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

Other information : Observe national and local legal requirements

**Classification of the mixture:**

Eye Dam. 1 H318

**Classification procedure:**

On basis of test data.

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**CLARIANT** 

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