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Complying with 1907/2006/EC, 1272/2008/EC and 453/2010/EC regulations - United Kingdom (UK)

SAFETY DATA SHEET

MONTANOV 68 MB

SECTION 1: Identification of the substance/mixture

1.1 Product identifier

Product trade name : MONTANOV 68 MB

Product code : 36193Q

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

REACH Registration number 01-2119382604-36-0000

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

Material uses : Emulsifying agent. Manufacture of cosmetics. Non-ionic surfactant.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

Classification according to Directive 67/548/EEC [DSD]

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.

2.2 Label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Contains : Acetalization product between glucose and C16/18(even numbered) alcohol

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

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

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex

: Not available.

XIII

Other hazards which do not result in classification

: None known.

ADDITIONAL INFORMATION

Storage : STORE UNDER COVER. Keep away from heat.

SECTION 3: Composition/information on ingredients

3.1 Substances : UVCB

INCI Name: : CETEARYL ALCOHOL AND CETEARYL GLUCOSIDE

| | | | Classi | ification | |
|--------------------------|------------------------------|-------------|-----------------|--|------|
| Product/ingredient name | Identifiers | % | 67/548/EEC | Regulation (EC) No. 1272/2008 [CLP] | Туре |
| / to otalization product | REACH #: 01-2119382604-36 | 80 - 100 | Not classified. | Not classified. | [*] |

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

[*] Substance

[A] Constituent

[B] Impurity

[C] Stabilising additive

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and 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 at rest 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.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact
 Inhalation
 No known significant effects or critical hazards.
 Skin contact
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

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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.

4.3 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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

media

: None known.

5.2 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

5.3 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-fighters : 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.

SECTION 6: Accidental release measures

6.1 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 spilt 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".

6.2 Environmental precautions

: Avoid dispersal of spilt 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).

6.3 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, labelled waste container. Dispose of via a licensed waste disposal contractor.

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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, labelled waste container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections

: See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures Advice on general occupational hygiene

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

7.2 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

STORE UNDER COVER. Keep away from heat.

7.3 Specific end use(s)

Recommendations **Industrial sector specific** solutions

: Not available. : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

procedures

Recommended monitoring : 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 EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

| Product/ingredient name | Туре | Exposure | Value | Population | Effects |
|---|------|-------------------------|------------------------|------------|----------|
| Acetalization product between glucose and C16/18(even numbered) alcohol | DNEL | Long term Dermal | 1,11 mg/ kg bw/day | Workers | Systemic |
| , | DNEL | Long term Inhalation | 7,84 mg/m ³ | Workers | Systemic |

PNECs

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| Product/ingredient name | Туре | Compartment Detail | Value | Method Detail |
|---|------|--------------------|------------------------|---------------------------------------|
| Acetalization product between glucose and C16/18(even numbered) alcohol | PNEC | Fresh water | 0,1 mg/l | Assessment Factors |
| | _ | Marine Sediment | 0,01 mg/l 927 mg/kg | Assessment Factors Assessment Factors |

8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne

contaminants.

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 eyewear 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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Solid. [Pellets]

: White. Colour

Odour : Characteristic.

pН : 5,5 to 7,5 [Conc. (% w/w): 5%]

Melting point/freezing point Initial boiling point and boiling : 300 to 355°C

range

: 61 to 65°C

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

Flammability of the product : Non-flammable.

Vapour pressure : 0,0000012 kPa [room temperature]

Relative density

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/ : 7,7

water

Oxidising properties : None.

9.2 Other information

Granulometry : 2.8 - 4 mm : >96%
The information presented in this section does not serve as specifications.

SECTION 10: Stability and reactivity

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

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Conclusion/Summary : Not classified as dangerous

Irritation/Corrosion

Conclusion/Summary :

Skin : Non-irritating to the skin.

Eyes : Non-irritating to the eyes.

Sensitisation

Conclusion/Summary :

Skin : Non-sensitiser to skin.

Mutagenicity

| Product/ingredient name | Test | Experiment | Result |
|-------------------------|----------|--|----------|
| MONTANOV 68 MB | OCDE 471 | Experiment: In vitro Subject: Bacteria | Negative |
| | OCDE 476 | Experiment: In vitro Subject: Mammalian-Animal | Negative |
| | OCDE 473 | Experiment: In vitro Subject: Mammalian-Human | Negative |

Conclusion/Summary

Not mutagenic in a standard battery of genetic toxicological tests.

Carcinogenicity

Conclusion/Summary: Not available.

Reproductive toxicity

| Product/ingredient name | Maternal toxicity | Fertility | Developmental toxin | Test | Dose | Exposure |
|-------------------------|-------------------|-----------|------------------------|---------------------|--------------------------------|----------|
| MONTANOV 68 MB | Negative | Negative | Negative | OCDE 414 & OCDE 407 | Oral: 1000 mg/ kg bw/day | - |

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Conclusion/Summary : No

: No known significant effects or critical hazards.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

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 | Result | Test | Dose | Exposure |
|-------------------------|--------------------|----------|-----------------------|----------|
| MONTANOV 68 MB | Chronic NOAEL Oral | OCDE 407 | 1000 mg/kg bw/ day | 28 days |

Conclusion/Summary

: Not classified as dangerous

General
Carcinogenicity
Mutagenicity

Fertility effects

No known significant effects or critical hazards.No known significant effects or critical hazards.No known significant effects or critical hazards.

Teratogenicity

Developmental effects

No known significant effects or critical hazards.No known significant effects or critical hazards.No known significant effects or critical hazards.

Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Test | Species | Exposure |
|-------------------------|---------------------------------|------------|---------------------------------|----------|
| MONTANOV 68 MB | Acute EC50 >100 mg/l | OCDE 201 | Algae - Desmodesmus subspicatus | 72 hours |
| | Acute EC50 >100 mg/l Fresh wate | r OCDE 202 | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 >100 mg/l Fresh wate | OCDE 203 | Fish - Danio rerio | 96 hours |

Conclusion/Summary : Not classified as dangerous

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|-------------------------|-----------|----------------------------|---------|------------------|
| MONTANOV 68 MB | OCDE 301B | 97,4 % - Readily - 28 days | 20 mg/l | Activated sludge |

Conclusion/Summary: This product is readily biodegradable.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| MONTANOV 68 MB | - | - | Readily |

Product/ingredient name **BCF Potential** LogPow **MONTANOV 68 MB** 7.7 high

12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: >5,63

12.5 Results of PBT and vPvB assessment

PBT

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

vPvB : Not available.

vP: Not available. vB: Not available.

: No known significant effects or critical hazards. 12.6 Other adverse effects

SECTION 13: Disposal considerations

13.1 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 nonrecyclable 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.

: Within the present knowledge of the supplier, this product is not regarded as **Hazardous waste**

hazardous waste, as defined by EU Directive 91/689/EEC.

Packaging

Methods of disposal

: The generation of waste should 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.

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA | |
|------------------------------------|---|----------------|----------------|----------------|--|
| 14.1 UN number | Not regulated. | Not regulated. | Not regulated. | Not regulated. | |
| 14.2 UN proper shipping name | - | - | - | - | |
| 14.3 Transport hazard class(es) | - | - | - | - | |
| 14.4 Packing group | - | - | - | - | |
| 14.5 Environmental hazards | No. | No. | No. | No. | |
| 14.6 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. | | | | |

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Other EU regulations

Europe inventory: Not determined.

15.2 Chemical Safety

Assessment

: Not applicable.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and

acronyms

: ATE = Acute Toxicity Estimate

 $\label{eq:clp} {\sf CLP} = {\sf Classification}, {\sf Labelling} \ {\sf and} \ {\sf Packaging} \ {\sf Regulation} \ [{\sf Regulation} \ ({\sf EC}) \ {\sf No}.$

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 | Justification |
|-----------------|---------------|
| Not classified. | |

Full text of abbreviated H

statements

: Not applicable.

Full text of classifications

[CLP/GHS]

: Not applicable.

Full text of abbreviated R

phrases

: Not applicable.

Full text of classifications

[DSD/DPD]

: Not applicable.

History

Date of printing

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revision

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Date of previous issue

: No previous validation.

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