

MATERIAL SAFETY DATA SHEET

MEDICLEAN MC 211 Office Foam



Issue date: 20.03.2014

Updated on: 24.06.2014

Version ANG: 2.0

Material Safety Data Sheet according to Regulation EC 1907/2006 of 18.12.2006 – REACH and 453/2010 of 20.05.2010

SECTION 1: Substance/mixture and company identification

1.1 Product Id: MEDICLEAN MC 211 Office Foam

1.2 Relevant identified uses of the mixture and uses advised against:

Identified uses: Foam for washable surfaces.

Uses advised against: not specified

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

Medi-Sept Ltd.

Konopnica 159C, 21-030 Motycz, Poland

tel. +48 503 23 77

www.medisept.pl

Person responsible for safety data sheet: Grzegorz Gromadzki; grzegorz.gromadzki@medi-sept.com.pl

1.4 Emergency telephone numbers: 112 (international emergency number), 998 (firefighters), 999 (medical rescue); +48 (81) 535 22 22 between 8.00 am. – 16.00 pm.

SECTION 2: Hazards identification

2.1 Classification of the substance/mixture

The mixture is not classified as dangerous.

Risk to human health

Proper use does not pose a threat to human health.

Risk to environment

The mixture is not classified as dangerous to the environment. Contains ingredients dangerous to the environment

Physical/chemical hazards

Not applicable.

2.2 Label elements:

Hazard symbols and warning signs:

Not applicable.

Hazard statements:

Not applicable.

Phrases for conditions for safe use:

Not applicable.

Other information: MSDS available upon request of professional users.

According to Regulation 648/2004

<5% non-ionic surface active components

Surface active components meet the biodegradability requirements in accordance with Regulation 648/2004.

List of components available on website: www.medisept.pl

2.3 Other hazards:

No other hazards recognized.

No information about substances specified in PBT or vPvB according to REACH appendix XIII. Appropriate studies have not been conducted.

SECTION 3: Composition/information on ingredients

3.1 Substance: Not applicable

3.2 Mixture:

Dangerous ingredients:





MATERIAL SAFETY DATA SHEET**MEDICLEAN MC 211 Office Foam**

Issue date: 20.03.2014

Updated on: 24.06.2014

Verison ANG: 2.0

Material Safety Data Sheet according to Regulation EC 1907/2006 of 18.12.2006 – REACH and 453/2010 of 20.05.2010

Product Id	Content %	Classification accord. 67/548/EWG	Classification CLP	
			Hazard class and category codes	Hazard statements
Alkyl polyglycoside C8-C10 CAS: 68515-73-1 EC: 500-220-1 No. index: - No. REACH: 01-2119488530-36-XXXX	<1	 Xn; R41	Skin Irrit.2	H315
Mixture of 5-chloro-2-methylo-2H-3 isothiazole [no. EC 247-500-7] and 2-methylo-2H-3 isothiazole [no. EC 220-239-6] (3:1) CAS: 55965-84-9 EC: - No. Index: 613-167-00-5 No. REACH: -	0,25 – 1,5	 T; R23/24/25  C; R34, R43  N; R50/53	Acute Tox. 3 Skin Corr. 1B Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	H301 H311 H331 H314 H317 H400 H410

Full description of R and H phrases in section 16

SECTION 4: First Aid Measures**4.1 First aid measures description****Skin contact:**

Take off contaminated clothing, wash skin with water and soap, rinse well with water, in case of irritation and redness contact a doctor.

Eye contact:

Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Avoid strong streams of water to prevent cornea damages. Contact a doctor.

Inhalation:

In case of dizziness and nausea move to fresh air. If symptoms persists, search for medical advice.

Ingestion:

Do not induce vomiting, rinse mouth with water. Immediately contact a doctor.

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

The respiratory system: Inhalation of concentrated vapours may cause irritation of the mucous membranes of the nose, throat and downstream sections of the respiratory system. Cough, problems in breathing.

The digestive tract: May cause irritation of the mucous membranes of the gastrointestinal tract, abdominal pain, stomach cramps, nausea, vomiting, diarrhea, malaise, headache and dizziness – symptoms of food poisoning.

Eye contact: causes irritation in case of direct contact

Skin contact: long lasting, frequent and direct contact may cause redness and gentle skin irritation.

4.3 Indication of any immediate medical attention and special treatment:

Decision is to be taken by a doctor after having evaluated the condition of the victim.

SECTION 5: Firefighting measures**5.1 Extinguishing media:**

Appropriate extinguishing media: alcohol-resistant foam or dry chemicals (A,B,C), carbon dioxide (extinguisher), sand or soil, water fog. Use fire extinguishing methods suitable to surrounding conditions.

Not suitable means: Heavy jet of water.

5.2 Special hazards arising from substance or mixture: During a fire or under the action of high temperature release of toxic degradation products containing, among other substances, oxides of carbon.

5.3 Advice for firefighters



Cool containers with spray water. If possible remove from the danger zone. As in any fire, wear self-contained breathing apparatus and full protective gear. Prevent fire-fighting water from entering surface water, ground water and sanitation.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel: notify the competent authorities. Remove from the danger zone people not involved in the liquidation of failure.

For emergency personnel: Ensure adequate ventilation. Use personal protective equipment. Avoid direct contact with eyes and skin. Do not breath vapours.

6.2 Environmental precautions: Do not allow to enter sewerage or water bodies. Inform local authorities in case of inability to provide protection.

6.3 Methods and material for decontamination and cleaning up:

Prevent contamination by absorbing with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Place contaminated material in properly labelled containers according to applicable provisions.

6.4 Reference to other sections:

Product waste – see section 13

Personal protection – see section 8

SECTION 7: Handling and storage**7.1 Safety measures for appropriate handling:**

Use in well-ventilated area. Avoid eye contact. Avoid prolonged or repeated contact with skin. Avoid spilling or splashing. Do not breath vapours. Keep away from sources of ignition, high temperature, hot surfaces and open fire. Work in accordance with safety instructions and hygiene: do not eat, drink and smoke in work areas, wash hands after use, remove contaminated clothing and protective equipment before entering eating areas. In order to define safety measures prepare work station risks evaluation for all hazard control recommendations.

7.2 Conditions for safe storage, including any incompatibilities.

Store in a cool, dry, well-ventilated area, properly labelled and tightly closed original container. Keep away from heat and direct sunlight, hot surfaces and open fire.

7.3 Specific end uses: Foam for washable surfaces.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters:**Alkyl polyglycoside C8-C10

DNEL value for D-glucopiranoze, oligomers, decyl and octyl glucosides:

DNEL, worker, long term exposure, skin: 595000mg/kg/mc

DNEL, worker, long term exposure, inhalation: 420 mg/m³

DNEL, worker, long term exposure, ingestion: 35,7mg/kg/mc

DNEL, general population including users, long term exposure, skin: 357000 mg/kg/mc

DNEL, general population including users, long term exposure, ingestion: 35,7mg/kg/mc

DNEL, general population including users, long term exposure, inhalation: 124 mg/m³

Alkyl polyglycoside C8-C10

PNEC, fresh water: no data

PNEC, seawater: no data

PNEC, water environment occasionally released: 0,270 mg/l

PNEC fresh water residue: 0,487 mg/kg

PNEC seawater residue: 0,048 mg/kg

PNEC water treatment facility: 560 mg/l

PNEC soil: 0,654 mg/kg

8.2 Exposure controls:

Appropriate technical controls: recommended well-ventilated areas.

Individual protective means such as gloves, glasses.



Eye and face protection:

Not required in normal conditions of use

Skin protection:

Hand protection:

Wear protective nitrile, natural rubber or PVC gloves according to EN-PN 374:2005.

Gloves material:

Choice of suitable gloves do not depend only on material but brand and quality. Material resistance can be defined after testing. Exact destruction time must be declared by manufacturer.

Other:

Wear appropriate protective work wear accord. to EN 344 – wash regularly.

Air passages protection:

Do not breath vaporous

Thermal hazards:

Not applicable.

Control of environmental exposure:

Do not allow to spread in the environment and enter drains or watercourses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state	Liquid
Colour	Navy blue
Odour	Green tea
Odour threshold value	Not specified
pH	8,5
Melting point/range	Not specified
Boiling point/range	Approx. 98 °C
Ignition temperature	Not specified
Burning temperature	Not specified
Evaporation rate	Not specified
Flammability (solid, gas)	Not specified
Low explosivity threshold	Not explosive
High explosivity threshold	Not explosive



Vapour pressure at 20°C	Not specified
Relative density of vapours	Not specified
Density of vapours at 20°C	1,00 - 1,02g/cm ³
Solubility in solvents	Complete in water
Partition coefficient n-octanol/water	Not specified
Auto ignition temperature	Not self-igniting
Decomposition temperature	Not specified
Dynamic viscosity at 23°C	Not specified
Kinematic viscosity at 20°C	0,90mm ² /s
Explosion limits	Not specified
Oxidation properties	Not specified

9.2 Other information:

No additional test results.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Not known

10.2 Chemical stability:

The product is stable under normal conditions of handling, storage and transport.

10.3 Possibility of hazardous reactions:

Not applicable.

10.4 Conditions to avoid:

Avoid high temperature, direct sunlight, hot surfaces and open fire.

10.5 Incompatible materials:

No data.

10.6 Hazardous decomposition products:

In high temperature toxic decomposition products can be released – carbon oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

a) acute toxicity: not recognized

Alkyl polyglycoside C8-C10

LD50 (orally): 5000 mg/kg (OECD 402)

LD50 (skin): 2000 mg/kg (OECD 401)

b) irritation effect: not recognized

Alkyl polyglycoside C8-C10

- eyes: strongly irritant (OECD 405)

- skin: soft irritation (OECD 404)

c) corrosive effect: not recognized

d) allergic effect: not recognized

Alkyl polyglycoside C8-C10: skin: not allergic (OECD 406)

e) repeated dose toxicity: no data

f) carcinogenicity: not recognized

Alkyl polyglycoside C8-C10: classified as carcinogenic (expert opinion)

g) mutagenicity: not recognized

Alkyl polyglycoside C8-C10: not mutagenic (analogy)

h) reproductive toxicity: not recognized

Information on likely routes of exposure:

The respiratory system: inhalation of concentrated vapours may cause irritation of the mucous membranes of the nose, throat and downstream sections of the respiratory system, cough, shortness of breath, trouble breathing.

The digestive tract: may cause irritation of the mucous membranes of the gastrointestinal tract, abdominal pain, stomach cramps, nausea, vomiting, diarrhea, malaise, headache and dizziness – symptoms of food poisoning.

Eye contact: may cause irritation in case of direct exposure.

Skin contact: long lasting, frequent, direct contact can cause redness, sensitive skin irritations.

Delayed, immediate and chronic effects from short-and long-term exposure:

No data.

Interaction effect:

No data.

SECTION 12: Ecological information

Detailed studies of the environmental effects were not carried out. The mixture is not classified as dangerous for the environment, contains ingredients harmful to the environment.

Do not allow product to reach ground water, drains and watercourses.

12.1 Toxicity:Alkyl polyglycoside C8-C10

Acute toxicity

- for fish - LC0 >100 mg/l (ISO 7346/2)

- for invertebrates: EC50 >100mg/l (Daphnia magna, OECD 202)

- for bacteria: EC0 >100mg/l

- for algae: EC50 >10 - <100mg/l (87/302/EWG, part C)

Chronic toxicity:

- for fish: NOEC >1 - < 10 mg/l, 14 days (OECD 204)

- for invertebrates: NOEC >1 - < 10 mg/l, 14 days (OECD 202, part 2)

- for bacteria: EC0 >100mg/l (DIN 38412 part 8)

12.2 Persistence and degradability:Alkyl polyglycoside C8-C10

Final biodegradation: easy and quick biodegradation

>60% BOD/COD in relation to CO₂. in relation >70% decrease DOC.

Surfactants meet the requirements of biodegradability according to Regulation 648/2004.

12.3 Bioaccumulative ability:

Alkyl polyglycoside C8-C10 – this substance is not recognized as bioaccumulative (expert opinion)

12.4 Mobility in soil:

Mobile in the soil, dissolved in water and spread in water environment.

12.5 Test result of PBT and vPvB assessment:

No components with this criteria.

12.6 Other adverse effects:

No data.

SECTION 13: Disposal considerations**13.1 Waste treatment methods:**

Remainders of product and contaminated empty containers must be disposed as communal waste.

Environment Ministry Regulation of 27 September 2001 regarding disposal list (Journal of Laws No. 112, item 1206).

European Council Norms No 75/442/EEC - disposals, 91/689/EEC – dangerous disposals; Council Decision No. 2000/532/EC of 2 May 2000 which describes all disposals OJ No. L 226/3 of 6 September 2000r, along with all modifications.

SECTION 14: Transport information

14.1 Number UN (number UNO): Not applicable, product not classified as dangerous in transport.

14.2. Proper shipping name UN: Not applicable, product not classified as dangerous in transport.

14.3 Transport hazard class: Not applicable, product not classified as dangerous in transport.

14.4 Packing group: Not applicable, product not classified as dangerous in transport.

14.5 Environmental hazards: Not applicable, product not classified as dangerous in transport..

14.6 Special precautions for user: Not applicable, product not classified as dangerous in transport.

14.7 Transport in bulk according to Annex II MARPOL 73/78 and the IBC Code: not applicable, product not classified as dangerous in transport.

SECTION 15: Regulatory information

15.1 Laws concerning the safety, health and environment specific for the substance or mixture:

1. European Parliament and Council Regulation no. 1907/2006 of 18 December 2006 on registration, evaluation, authorization and restriction of chemicals (REACH) along with modifications.
2. EUROPEAN COMMISSION REGULATION No. 453/2010 of 20 May 2010 r. that changed Regulation no. 1907/2006 of European Parliament and Council related to registration, evaluation, authorization and restrictions of chemicals (REACH).
3. Law of 25 February 2011 on chemical substances and mixtures (Journal of Laws No. 63, unit. 322).
4. European Parliament and Council Regulation of 16 December 2008 no. 1272/2008 (CLP along with modifications).
5. Ministry of Health Regulation of 20 April 2012 on dangerous substances and mixtures container labelling and certain mixtures (Journal of Laws 2012 No. 0 unit 445).
6. Ministry of Health Regulation of 10 August 2012 on classification types and criteria of chemical substances and mixtures (Journal of Laws 2012 No. 0 unit 1018).
7. Ministry of Environment Regulation of 23 April 2004 on description of labelling patterns for containers (Journal of Laws No. 94, unit 927).
8. Ministry of Health Regulation of 11 June 2012 on categories of dangerous substances and mixtures stored in secured against children containers and with touch detectable warnings (Journal of Laws 2010 No. 0 unit 688).
9. Law of 14 December 2012 on waste list (Journal of Laws 2013 No. 0, unit 21).
10. Law of 11 May 2001 on containers and container disposals (Journal of Laws No. 63, unit 638 along with modifications).
11. Ministry of Environment Regulation of 27 September 2001 on list of disposals (Journal of Laws No. 112, unit 1206).
12. Council Directive No. 75/442/EEC concerning disposals, Council Directive No. 91/689/EEC on dangerous disposals, Commission Decision No. 2000/532/EC of 3 May 2000 on list of disposals, OJ No. L 226/3 of 6 September 2000 along with modifications
13. Law of 19 August 2011 on transport of dangerous materials (Journal of Laws No. 227, unit 1367).
14. Government Declaration of 23 March 2011 on introduction of changes detailed in appendix A and B of European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), prepared in Geneva on 30 of September 1057 (Journal of Laws No. 110, unit 641).
15. Ministry of Labour and Social Policy Regulation of 29 November 2002 on the maximum permissible concentrations and intensities of harmful factors in the work environment Journal of Laws No. 217, unit 1833 along with modifications).
16. Ministry of Health Regulation of 30 December 2004 on safety and hygiene related to the presence of chemical factors in work environment (Journal of Laws of 2005 No. 11, unit 86 along with modifications).
17. Ministry of Environment Regulation of 9 December 2003 on substances particularly dangerous to the environment (Journal of Laws No. 217, unit. 2141).

15.2 Chemical safety assessment:

No chemical safety assessment for the mixture.

SECTION 16: Other information

Phrases R and H:

R23/24/25 – toxic in contact with skin, if inhaled and swallowed

R34 – causes burns

MATERIAL SAFETY DATA SHEET

MEDICLEAN MC 211 Office Foam



Issue date: 20.03.2014

Updated on: 24.06.2014

Version ANG: 2.0

Material Safety Data Sheet according to Regulation EC 1907/2006 of 18.12.2006 – REACH and 453/2010 of 20.05.2010

- R41** – risk of serious eye damage
- R43** – may cause allergic reaction in contact with skin
- R50/53** – very toxic to aquatic organisms, may cause long lasting and disadvantageous changes in water environment
- H301** – toxic if swallowed
- H311** – toxic in contact with skin
- H314** – causes serious burns and eye damage
- H317** – may cause allergic reaction on skin
- H318** – cause serious eye damage
- H331** – toxic if inhaled
- H400** – very toxic to aquatic organisms
- H410** – very toxic to aquatic organisms, may cause long lasting and disadvantageous changes in water environment

Abbreviation, acronyms and symbols description:

- T** – toxic
- C** - corrosive
- Xi** – irritating
- N** – dangerous to the environment
- Acute Tox. 3** – acute toxicity cat. 3
- Eye Dam.1** – severe eye damage cat. 1
- Skin Corr. 1B** – corrosive effect on skin cat. 2
- Skin Sens. 1** – allergic effect on skin cat. 1
- Aquatic Acute 1** – dangerous to aquatic environment cat.1
- Aquatic Chronic 1** – dangerous to aquatic environment cat.1

Training:

Not required

MSDS – **MEDICLEAN MC 211 Office foam**

- Issued on: 20.03.2014

Changes applied according to European Commission Regulation No. 453/2010 of 20 May 2010 appendix I.

SOURCE MATERIAL

Appendix I of EC Regulation 453/2010 of 20 May 2010.
Regulations detailed in Section 15 of this document.
Information of Bureau for Chemical Substance.
MSDS – MEDICLEAN MC 211 Office foam.

Information detailed in this data sheet concern exclusively the product stated in its title. All data should be considered only as a help in safe use of the product **MEDICLEAN MC 211 Office foam**. As the conditions of storage, transport and application are beyond our control, these can not stand for warranty in the meaning of law. In all cases, all proper regulations should be obeyed and third party persons laws respected. *The document should not be considered as an evaluation of risks in work place.* Product must not be used in other than stated in point 1 applications without previous notification to the company **Medi-Sept Ltd.**

Prepared by SPIN-DORADZTWO www.spin-doradztwo.pl for Medi-Sept Ltd.