

#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date first issue: 05/09/2017 Review date: 20/03/2020 Supersedes: 11/12/2018 Version: 6.1

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

1.1. Product identifier

Product form : Mixture

Product name : MIDA FOAM 170 BIO

Product code : IT00187

Type of product : Detergent

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use,Professional use Industrial/Professional use spec : For professional use only

Use of the substance/mixture : Liquid detergent with enzymatic action

#### 1.2.2. Uses advised against

No additional information available

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

Christeyns Italia S.r.l. - Divisione Food Hygiene Via Aldo Moro 30

20060 PESSANO CON BORNAGO (MI) - Italia T +39 (02) 99765220 - F +39 (02) 99765249 info.fhitalia@christeyns.com - www.christeyns.com

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

Eye Irrit. 2 H319 Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

GHS07

CLP Signal word : Warning

Hazard statements (CLP) : H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P280 - Wear eye protection, protective gloves.

P337+P313 - If eye irritation persists: Get medical advice/attention.

EUH-statements : EUH208 - Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]

and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic

reaction.

#### 2.3. Other hazards

No additional information available

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

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Monopropyleneglycol; 1,2-propane glycol substance with national workplace exposure limit(s) (GB, IE)	(CAS-no) 57-55-6 (Einecs nr) 200-338-0 (REACH-no) 01-2119456809-23	5 – 10	Not classified
2-butoxyethanol	(CAS-no) 111-76-2 (Einecs nr) 203-905-0 (EG annex nr) 603-014-00-0 (REACH-no) 01-2119475108-36	3 – 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Triethanolamine substance with national workplace exposure limit(s) (IE)	(CAS-no) 102-71-6 (Einecs nr) 203-049-8 (REACH-no) 01-2119486482-31	1 – 3	Not classified
Amines, C12-14, alkyldimethyl, N-oxides	(CAS-no) 308062-28-4 (Einecs nr) 931-292-6 (REACH-no) 01-2119490061-47	1 – 3	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Alcohols, C9-11-iso,C10-rich, ethoxylated (2,5 - 5 EO)	(CAS-no) 78330-20-8 (Einecs nr) 616-607-4	1 – 3	Eye Dam. 1, H318
Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	(CAS-no) 55965-84-9 (Einecs nr) 611-341-5 (EG annex nr) 613-167-00-5 (REACH-no) 01-2120764691-48	< 0.1	Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Oral), H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	(CAS-no) 55965-84-9 (Einecs nr) 611-341-5 (EG annex nr) 613-167-00-5 (REACH-no) 01-2120764691-48	( $0.0015 \le C \le 100$ ) Skin Sens. 1A, H317 ( $0.06 \le C < 0.6$ ) Eye Irrit. 2, H319 ( $0.06 \le C < 0.6$ ) Skin Irrit. 2, H315 ( $0.6 \le C \le 100$ ) Eye Dam. 1, H318 ( $0.6 \le C \le 100$ ) Skin Corr. 1C, H314	

Full text of H-statements: see section 16

# SECTION 4: First aid measures 4.1. Description of first aid measures

General advice : If you feel unwell, seek medical advice (show the label where possible).

Inhalation : Get medical advice/attention if you feel unwell.

Skin contact : Wash skin with plenty of water. If skin irritation or rash occurs: Get medical

advice/attention.

Eye contact : Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.

Ingestion : Rinse mouth out with water. Do not induce vomiting. Call a physician immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

Acute effects skin : irritation (itching, redness, blistering). May cause an allergic skin reaction.

Acute effects eyes : Eye irritation.

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : All extinguishing agents can be used.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Thermal decomposition generates : Carbon monoxide. Carbon dioxide. Nitrogen oxides.

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#### 5.3. Advice for firefighters

No additional information available

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

Protective equipment : Use self-contained breathing apparatus and chemically protective clothing.

Emergency procedures : Evacuate unnecessary personnel.

#### 6.2. Environmental precautions

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb spilled material with sand or earth. Shovel or sweep up and put in a closed

container for disposal.

#### 6.4. Reference to other sections

No additional information available

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Never mix with other materials. Never return unused material to original container.

Hygiene measures : Do not eat, drink or smoke when using this product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in original container. Protect from sunlight. Store in a well-ventilated place.

Storage temperature  $: 0 - 40 \, ^{\circ}\text{C}$  Material(s) to avoid : None known.

### 7.3. Specific end use(s)

No additional information available

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

## 8.1. Control parameters

2-butoxyethanol (111-76-2)		
EU - Occupational Exposure Limits		
Local name	2-Butoxyethanol	
IOELV TWA (mg/m³)	98 mg/m³	
IOELV TWA (ppm)	20 ppm	
IOELV STEL (mg/m³)	246 mg/m³	
IOELV STEL (ppm)	50 ppm	
Notes	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits		
Local name	2-Butoxyethanol (EGBE) [Ethylene glycol monobutyl ether]	
OEL (8 hours ref) (mg/m³)	98 mg/m³	
OEL (8 hours ref) (ppm)	20 ppm	
OEL (15 min ref) (mg/m3)	246 mg/m³	
OEL (15 min ref) (ppm)	50 ppm	
Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
United Kingdom - Occupational Exposure Limits		
Local name	2-Butoxyethanol	
WEL TWA (mg/m³)	123 mg/m³	

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WEL TWA (ppm)	25 ppm	
WEL STEL (mg/m³)	246 mg/m³	
WEL STEL [ppm]	50 ppm	
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
United Kingdom - Biological limit values		
Local name	2-Butoxyethanol	
United Kingdom (BEI)	240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

Monopropyleneglycol; 1,2-propane glycol (57-55-6)		
Ireland - Occupational Exposure Limits		
Local name	Propane-1,2-diol [Propylene glycol]	
OEL (8 hours ref) (mg/m³)	470 mg/m³ total (vapour and particulates) 10 mg/m³ particulates	
OEL (8 hours ref) (ppm)	150 ppm total (vapour and particulates)	
Regulatory reference	Chemical Agents Code of Practice 2020	
United Kingdom - Occupational Exposure Limits		
Local name	Propane-1,2-diol	
WEL TWA (mg/m³)	10 mg/m³ particulates 474 mg/m³ total vapour and particulates	
WEL TWA (ppm)	150 ppm total vapour and particulates	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

Triethanolamine (102-71-6)	
Ireland - Occupational Exposure Limits	
Local name	Triethanolamine
OEL (8 hours ref) (mg/m³)	5 mg/m³
Regulatory reference	Chemical Agents Code of Practice 2020

#### 8.2. Exposure controls

### Personal protective equipment:

Safety glasses. Gloves.

Hand	protection:
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Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

## Eye protection:

Wear security glasses which protect from splashes

#### Protective equipment:

Wear suitable protective clothing

#### Respiratory protection:

No respiratory protection needed under normal use conditions

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#### Personal protective equipment symbol(s):





#### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : light yellow. Odour : Characteristic. Odour threshold : No data available pН : 9.2 ± 0,3 (100%) Relative evaporation rate (butylacetate=1) : No data available Melting point/range : No data available Freezing point : No data available Boiling point/Boiling range : No data available : No data available Flash point Autoignition temperature : No data available Decomposition temperature : No data available Flammability (solid, gas) : No data available Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : No data available Density : 1,025 ± 0,05 g/cm3 Solubility : soluble in water. Log Pow : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties No data available Oxidising properties : No data available

#### 9.2. Other information

No additional information available

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

**Explosive limits** 

No additional information available

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

No additional information available

## 10.5. Incompatible materials

Never mix with other materials.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Nitrogen oxides.

: No data available

## **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Amines, C12-14, alkyldimethyl, N-oxides (308062-28-4)		
LD50 oral rat	1064 mg/kg	
ATE CLP (oral)	1064 mg/kg bodyweight	

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2-butoxyethanol (111-76-2)		
LD50 oral rat	1300 mg/kg	
LD50 dermal rat	1100 mg/kg	
LC50 Inhalation - Rat [ppm]	4500	
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l	
LC50 Inhalation - Rat (Vapours)	11 mg/l/4h	
ATE CLP (oral)	1300 mg/kg bodyweight	
ATE CLP (dermal)	1100 mg/kg bodyweight	
ATE CLP (gases)	4500 ppmv/4h	
ATE CLP (vapours)	11 mg/l/4h	
ATE CLP (dust,mist)	1.5 mg/l/4h	

Monopropyleneglycol; 1,2-propane glycol (57-55-6)		
LD50 oral rat	20 g/kg	
LD50 dermal rat	22500 mg/kg	
LD50 dermal rabbit	20800 mg/kg	
ATE CLP (oral)	20000 mg/kg bodyweight	
ATE CLP (dermal)	20800 mg/kg bodyweight	

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9)		
LD50 oral rat	64 mg/kg	
LD50 dermal rat	87.12 mg/kg	
LD50 dermal rabbit	78 mg/kg	
LC50 Inhalation - Rat	0.33 mg/l/4h	
LC50 Inhalation - Rat (Dust/Mist)	0.33 mg/l/4h	
ATE CLP (oral)	64 mg/kg bodyweight	
ATE CLP (dermal)	78 mg/kg bodyweight	
ATE CLP (gases)	700 ppmv/4h	
ATE CLP (vapours)	0.33 mg/l/4h	
ATE CLP (dust,mist)	0.33 mg/l/4h	

Skin corrosion/irritation : Not classified

pH: 9.2 ± 0,3 (100%)

Serious eye damage/irritation : Causes serious eye irritation.

pH: 9.2 ± 0,3 (100%)

Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

#### 2-butoxyethanol (111-76-2)

IARC group 3 - Not classifiable

IARC group 3 - Not classifiable

Reproductive toxicity : Not classified

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STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

### **SECTION 12: Ecological information**

12.1. Toxicity

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term

(chronic)

: Harmful to aquatic life with long lasting effects.

Amines, C12-14, alkyldimethyl, N-oxides (308062-28-4)	
LC50 fish 1	2.67 mg/l
EC50 Daphnia 1	3.1 mg/l
ErC50 (algae)	0.143 mg/l
NOEC chronic algae	0.067 mg/l

: Not classified

2-butoxyethanol (111-76-2)	
LC50 fish 1	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 Daphnia 1	1550 mg/l Daphnia magna
EC50 72h algae (1)	1840 mg/l
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	100 mg/l Daphnia magna
NOEC chronic algae	130 mg/l

Monopropyleneglycol; 1,2-propane glycol (57-55-6)	
LC50 fish 1	51400 mg/l
LC50 fish 2	51600 mg/l
EC50 Daphnia 1	34400 mg/l

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9)	
LC50 fish 1	0.19 mg/l Rainbow trout
LC50 fish 2	zonnebaars
EC50 Daphnia 1	0.16 mg/l
EC50 other aquatic organisms 1	0.126 mg/l waterflea
EC50 other aquatic organisms 2	0.003 mg/l
EC50 72h algae (1)	0.027 mg/l
ErC50 (algae)	0.003 mg/l Skeletonema costatum
ErC50 (other aquatic plants)	0.018 mg/l selenastrum capricornutum
NOEC chronic fish	0.05 mg/l
NOEC chronic crustacea	0.1 mg/l
NOEC chronic algae	0.0014 mg/l

## 12.2. Persistence and degradability

2-butoxyethanol (111-76-2)	
Persistence and degradability	Biodegradable.

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#### 12.3. Bioaccumulative potential

2-butoxyethanol (111-76-2)	
Log Pow	0.8

# Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9)

Log Pow 0.4

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste / unused products

: Collect all waste in suitable and labelled containers and dispose according to local

legislation.

**HP Code** 

: HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

#### **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA
14.1. UN number	'	
Not applicable	Not applicable	Not applicable
14.2. UN proper shipping	g name	
Not applicable	Not applicable	Not applicable
14.3. Transport hazard o	class(es)	
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards	
Not applicable	Not applicable	Not applicable
No supplementary informatio	n available	

#### 14.6. Special precautions for user

#### **Overland transport**

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

#### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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Detergent Regulation (648/2004/EC): Labelling of contents:	
Component	%
anionic surfactants, non-ionic surfactants, phosphates	<5%
enzymes	
METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE	

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### **SECTION 16: Other information**

Indication of changes:			
Section	Changed item	Change	Comments
9.1	Density	Modified	

Full text of H- and EUH-statements:		
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1A	Skin sensitisation, category 1A	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H310	Fatal in contact with skin.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H330	Fatal if inhaled.	
H332	Harmful if inhaled.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	

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Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H - isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Eye Irrit. 2	H319	Calculation method
Aquatic Chronic 3	H412	Calculation method

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.