

# Safety Data Sheet

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

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Date first issue: 13/05/2024 Review date: 13/05/2024 Supersedes version of: 29/07/2021 Version: 11.3

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Ireland

#### 1.1. Product identifier Product form : Mixture Product name : Mida FOAM 196 FI Product code : 765 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 : Chlorinated foam detergent Use of the substance/mixture Biocide 1.2.2. Uses advised against : The product should not be used for purposes other than those shown above without first Restrictions on use referring to the supplier and obtaining written handling instructions 1.3. Details of the supplier of the safety data sheet Manufacturer Distributor

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### 1.4. Emergency telephone number

Country/Area	Organisation/Company	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	0344 892 0111	Only for healthcare professionals

#### **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008	[CLP]
Corrosive to metals, Category 1	H290
Skin corrosion/irritation, Category 1	H314
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Full text of H- and EUH-statements: see section 16	

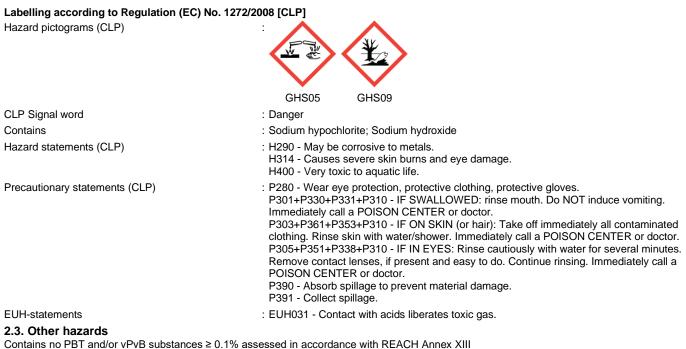
### Adverse physicochemical, human health and environmental effects

No additional information available

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# 2.2. Label elements



The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### **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]
Sodium hydroxide substance with national workplace exposure limit(s) (BE, BG, CZ, DK, EE, ES, FI, GB, GR, HR, HU, IE, LT, LV, PL, PT, RO, SE, SK, IS, NO, CH)	CAS-no: 1310-73-2 Einecs nr: 215-185-5 EG annex nr: 011-002-00-6 REACH-no: 01-2119457892- 27	5 – 10	Met. Corr. 1, H290 Skin Corr. 1A, H314
Sodium hypochlorite	CAS-no: 7681-52-9 Einecs nr: 231-668-3 EG annex nr: 017-011-00-1 REACH-no: 01-2119488154- 34	5 – 10	Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH031
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 (ATE=1064 mg/kg bodyweight) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411
2-Phosphonobutane-1,2,4-tricarboxylic acid	CAS-no: 37971-36-1 Einecs nr: 253-733-5 REACH-no: 05-2115916380- 54	1 – 3	Met. Corr. 1, H290 Eye Irrit. 2, H319

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Specific concentration limits:			
Name	Product identifier	Specific concentration limits (%)	
Sodium hydroxide	CAS-no: 1310-73-2 Einecs nr: 215-185-5 EG annex nr: 011-002-00-6 REACH-no: 01-2119457892- 27	$(0.5 \le C < 2)$ Eye Irrit. 2, H319 $(0.5 \le C < 2)$ Skin Irrit. 2, H315 $(2 \le C < 5)$ Skin Corr. 1B, H314 $(5 \le C \le 100)$ Skin Corr. 1A, H314	
Sodium hypochlorite	CAS-no: 7681-52-9 Einecs nr: 231-668-3 EG annex nr: 017-011-00-1 REACH-no: 01-2119488154- 34	(5 ≤ C ≤ 100) EUH031	
ull text of H- and EUH-statements: see section 16	3		
SECTION 4: First aid measures			
General advice	: In case of doubt or persistent symptoms, consult always a physician.		
nhalation	: Take victim to fresh air, in a quiet place and if necessary take medical advice.		
Skin contact	: Immediately remove contaminated clothing or footwear. Wash immediately with plenty of water. Ask for medical advice.		

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

: Rinse mouth out with water. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. 4.2. Most important symptoms and effects, both acute and delayed Acute effects inhalation : At high concentrations, the vapours can be irritating to the respiratory system.

#### Acute effects skin : Burns upon contact with the skin. Acute effects eyes : Corrosive to eyes. Acute effects oral route : Burns of the upper digestive and respiratory tracts. 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

Eye contact

Ingestion

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			
Fire hazard	: Not combustible but enhances combustion of other substances.		
E.2. Advice for firefightere			

#### 5.3. Advice for firefighters Protection during firefighting

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

# **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
Protective equipment	: Concerning personal protective equipment to use, see section 8.

#### 6.1.2. For emergency responders No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

#### 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 Hygiene measures

- : Avoid contact with skin and eyes. Never return unused material to original container.
- : Do not eat, drink or smoke when using this product.

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

Storage conditions

: Keep only in original container. Keep out of frost. : None known.

Material(s) to avoid 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

## Sodium hydroxide (1310-73-2)

Ireland - Occupational Exposure Limits			
Local name	Sodium hydroxide		
OEL STEL	2 mg/m <sup>3</sup>		
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)		
Regulatory reference	Chemical Agents Code of Practice 2024		
United Kingdom - Occupational Exposure Limits			
Local name	Sodium hydroxide		
WEL STEL (OEL STEL)	2 mg/m³		
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE		

## 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

## 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

Eye protection: Safety glasses with side-shields (EN 166)

#### 8.2.2.2. Skin protection

#### Protective equipment:

Wear suitable protective clothing minimum (EN 13034) Type 6 equipment

#### Hand protection:

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

# 8.2.2.3. Respiratory protection

# Respiratory protection:

Provide adequate ventilation

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

No additional information available

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

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Physical state/form	: Liquid.
Odour	: chlorine.
Odour threshold	: Not available
Melting point/range	: < 0 °C
Freezing point	: Not determined as it is not relevant for the characterization of the product
Boiling point/Boiling range	: Not determined as it is not relevant for the characterization of the product
Flammability	: Not determined as it is not relevant for the characterization of the product
Lower explosion limit	: Constituents do not contain chemical groups associated with explosivity
Upper explosion limit	: Constituents do not contain chemical groups associated with explosivity
Flash point	: Not determined as it is not relevant for the characterization of the product
Autoignition temperature	: Determination of the auto-ignition temperature is only relevant for pyrophoric liquids, however the mixture is not a pyrophoric liquid so the test is not required.
Decomposition temperature	: Only applies to self-reactive substances and mixtures, organic peroxides, and other substances and mixtures that may decompose.
рН	: > 13 (100%)
pH solution concentration	: 100 %
Viscosity, kinematic	: 9 mm²/s
Solubility	: Water: Dispersible
Partition coefficient n-octanol/water (Log Kow)	: Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.15 kg/l
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable
9.2. Other information	

#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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

10.1. Reactivity
No additional information available

# 10.2. Chemical stability

No decomposition if stored normally.

### 10.3. Possibility of hazardous reactions

No additional information available

## 10.4. Conditions to avoid

Contact with acids liberates toxic gas (chlorine).

## 10.5. Incompatible materials

## Never mix with other materials.

## 10.6. Hazardous decomposition products

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

SECTION 11: Toxicological 11.1. Information on hazard cla	nformation ses as defined in Regulation (EC) No 1272/2008		
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

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Sodium hypochlorite (7681-52-9)	
LD50 oral rat	> 2000 mg/kg
LD50 oral	8910 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg
Skin corrosion/irritation	: Causes severe skin burns.
	pH: > 13 (100%)
Serious eye damage/irritation	: Causes serious eye damage.
	pH: > 13 (100%)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Mida FOAM 196 FI	
Viscosity, kinematic	9 mm²/s

No additional information available

# SECTION 12: Ecological information

<b>12.1. IOXICITY</b> Hazardous to the aquatic environment, short–term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Amines, C12-14, alkyldimethyl, N-oxides (308062-28-4)		
LC50 - Fish [1]	2.67 mg/l	
EC50 - Crustacea [1]	3.1 mg/l	
ErC50 algae	0.143 mg/l	
NOEC chronic algae	≥ 0.0191 mg/l	
Sodium hypochlorite (7681-52-9)		
LC50 - Fish [1]	0.06 mg/l (fresh water)	
LC50 - Fish [2]	0.032 mg/l (marine water)	
EC50 - Crustacea [1]	0.141 mg/l (Daphnia magna - fresh water)	
EC50 - Other aquatic organisms [1]	0.026 mg/l (Crassostrea virginica - marine water)	
Sodium hydroxide (1310-73-2)		
LC50 - Fish [1]	> 35 mg/l	
EC50 - Crustacea [1]	40.4 mg/l (Ceriodaphnia)	
EC50 - Other aquatic organisms [1]	> 33 mg/l waterflea	
12.2. Persistence and degradability		
Mida FOAM 196 FI		
Persistence and degradability	The surfactant(s) contained in this preparation 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.	
2-Phosphonobutane-1,2,4-tricarboxylic acid (37971-36-1)		

Persistence and degradability

Rapidly degradable

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Amines, C12-14, alkyldimethyl, N-oxides	(308062-28-4)			
Persistence and degradability Rapidly degradable				
Sodium hypochlorite (7681-52-9)				
Persistence and degradability		Strong oxidizing agent, It will react with organic substances present in soil and sediments and degrades rapidly to chloride, Sodium hypochlorite is substantially removed in biologica treatment processes.		
Sodium hydroxide (1310-73-2)				
Persistence and degradability	The methods for determining biodegradal	bility are not applicable to inorganic substances.		
2.3. Bioaccumulative potential				
Mida FOAM 196 FI				
Partition coefficient n-octanol/water (Log Kow)	Does not apply to inorganic and ionic liqu	ids and does not generally apply to mixtures.		
Amines, C12-14, alkyldimethyl, N-oxides	(308062-28-4)			
Partition coefficient n-octanol/water (Log Kow)	> 2.7			
Sodium hypochlorite (7681-52-9)				
Log Pow	-3.42			
Bioaccumulative potential	Bioaccumulation unlikely.			
Sodium hydroxide (1310-73-2)				
Log Pow	-3.88	-3.88		
Bioaccumulative potential	No bioaccumulation.			
No additional information available 2.7. Other adverse effects No additional information available SECTION 13: Disposal consideration 13.1. Waste treatment methods Waste / unused products European List of Waste (LoW, EC 2000/532) SECTION 14: Transport information	<b>S</b> : Collect all waste in suitable and labelled or legislation. : 20 01 29* - detergents containing dangero			
n accordance with ADR / IMDG / IATA ADR	IMDG	ΙΑΤΑ		
14.1. UN number or ID number		1010		
UN 3266	UN 3266	UN 3266		
I4.2. UN proper shipping name	011 3200	014 3200		
CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, sodium hypochlorite)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, sodium hypochlorite)	Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, sodium hypochlorite)		
Fransport document description				
UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, sodium hypochlorite), 8, II, (E), ENVIRONMENTALLY HAZARDOUS	UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, sodium hypochlorite), 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 3266 Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, sodium hypochlorite 8, II, ENVIRONMENTALLY HAZARDOUS		

HAZARDOUS

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ADR	IMDG	ΙΑΤΑ
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available		·
14.6. Special precautions for user		
Overland transport	05	
Classification code (ADR)	: C5	
Special provisions (ADR)	: 274	
Limited quantities (ADR)	: 11 - P001 JPC02	
Packing instructions (ADR)	: P001, IBC02	
Mixed packing provisions (ADR)	: MP15	
Portable tank and bulk container instructions (ADR)	: T11	
Portable tank and bulk container special provisions (ADR)	: TP2, TP27	
Tank code (ADR)	: L4BN	
Vehicle for tank carriage	: AT	
Transport category (ADR)	: 2	
Hazard identification number (Kemler No.)	: 80	
Orange plates	80 3266	
Tunnel code	: E	
EAC code	: 2X	
APP code	: B	
Transport by sea		
Special provisions (IMDG)	: 274	
Limited quantities (IMDG)	:1L	
Packing instructions (IMDG)	: P001	
BC packing instructions (IMDG)	: IBC02	
Air transport		
PCA Limited quantities (IATA)	: Y840	
PCA limited quantity max net quantity (IATA)	: 0.5L	
PCA packing instructions (IATA)	: 851	
PCA max net quantity (IATA)	: 1L	
CAO packing instructions (IATA)	: 855	
CAO max net quantity (IATA)	: 30L	
Special provisions (IATA)	: A3	

Not applicable

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

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

#### 15.1.1. EU-Regulations

### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

#### Detergent Regulation (648/2004)

Labelling of contents	
Component	%
chlorine-based bleaching agents	5-15%
phosphonates, non-ionic surfactants	<5%

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 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
	Review date	Modified	
	Supersedes	Modified	
	Date first issue	Added	

Abbreviations and acronyms:		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
ErC50 (algae)	ErC50 (algae)	

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Abbreviations and acronyms:		
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
vPvB	Very Persistent and Very Bioaccumulative	

Other information

: It is recommended to pass the information from this safety data sheet in an appropriate form to the users. The information is currently to the best of our knowledge and believed to be accurate ana reliable. This information relates to the specifically named product and may not be valid in combination with other products. This safety data sheet is in compliance with 1907/2006/EEC. It is the responsibility of the user to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

Full text of H- and EUH-statements:		
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	
EUH031	Contact with acids liberates toxic gas	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H290	May be corrosive to metals.	
H302	Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
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.	
Met. Corr. 1	Corrosive to metals, Category 1	
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A	
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	

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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Met. Corr. 1	H290	Calculation method
Skin Corr. 1	H314	On basis of test data
Eye Dam. 1	H318	On basis of test data
Aquatic Acute 1	H400	Calculation method

Safety Data Sheet (SDS), EU

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.