

Marks & Spencer Homecare Products Ingredients and Safety Data Sheet

1. Identification of Substance/Mixture and of the company undertaking

Product Name: M&S Thick Original Bleach

UPC: 250030

Product No.: 0016133674

2. Hazard Identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Physical Hazards

Corrosive to metals

Category 1

H290: May be corrosive to metals.

Health Hazards

Skin corrosion

Category 1A

H314: Causes severe skin burns and eye damage.

Serious eye damage

Category 1

H318: Causes serious eye damage.

Environmental Hazards

Chronic hazards to the aquatic environment

Category 2

H411: Toxic to aquatic life with long lasting effects.

Label Elements

Contains:

SODIUM HYPOCHLORITE
SODIUM LAURETH SULFATE
SODIUM HYDROXIDE



Signal Word:

Danger

Hazard Statement(s):

H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements

General advice:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.

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Prevention:	P280: Wear protective gloves/protective clothing/eye protection/face protection. P234: Keep only in original container. P273: Avoid release to the environment.
Response:	P390: Absorb spillage to prevent material damage. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P391: Collect spillage.
Storage:	P405: Store locked up.
Disposal:	P501: Dispose of contents/container in accordance with local requirements for domestic waste disposal.

Supplemental label information

EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine).

2.3 Other hazards No data available.

3. Composition / Information On Ingredients

Ingredients	CAS/EINECS	% e.g. 10-20%	Hazard	Risk No.
SODIUM HYPOCHLORITE	CAS: 7681-52-9 EC:231-668-3	3 - <5%	Met. Corr.: 1: STOT SE: 3: Eye Dam.: 1: Skin Corr.: 1B: Aquatic Acute: 1: Aquatic Chronic: 1:	H290 H335 H318 H314 H400 H410
SODIUM LAURETH SULFATE	CAS:9004-82-4	1-<3%	Skin Corr.: 2: Eye Dam.: 1: Aquatic Chronic: 3:	H315 H318 H412
SODIUM HYDROXIDE	CAS:1310-73-2 EC:215-185-5	0.5-<1%	Skin Corr.: 1A:	H314
AMINES, C12-18- ALKYLDIMETHYL, N-OXIDES	CAS:68955-55-5 EC:273-281-2	0.1-<1%	Acute Tox.: 4: Skin Corr.: 2: Eye Dam.: 1: Aquatic Acute: 1: Aquatic Chronic: 2:	H302 H315 H318 H400 H411

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4. First Aid Measures

4.1 Description of first aid measures

Inhalation:	Call a physician or poison control center immediately. Move to fresh air.
Skin Contact:	Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control center immediately. Wash contaminated clothing before reuse.
Eye contact:	Get medical attention immediately. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.
Ingestion:	Call a physician or poison control center immediately. Do NOT induce vomiting. Get medical attention immediately. If swallowed, rinse mouth with water (only if the person is conscious).

4.2 Most important symptoms and effects, both acute and delayed: Causes severe burns.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards:	No special precautionary health measures should be needed under anticipated conditions of use.
Treatment:	Get medical attention if symptoms occur.

5. Fire Fighting Measures

General Fire Hazards: No unusual fire or explosion hazards noted.

5.1 Extinguishing media Suitable extinguishing media:

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture:

During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters Special fire fighting procedures:

Wear self-contained breathing apparatus and protective clothing.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with eyes and prolonged or repeated contact with skin.

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- 6.2 Environmental Precautions:** Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
- 6.3 Methods and material for containment and cleaning up:** Dike far ahead of larger spill for later recovery and disposal. Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment.

7. Handling & Storage

- 7.1 Precautions for safe handling:** Do not get in eyes. Wash hands thoroughly after handling. Use only as directed. Provide adequate ventilation. Avoid contact with skin.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store away from incompatible materials. Store in original tightly closed container.
- 7.3 Specific end use(s):** For cleaning and bleaching of toilet bowls

8. Exposure Controls & Personal Protection

8.1 Control Parameters Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
SODIUM HYDROXIDE	STEL	2.000000 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

- 8.2 Exposure controls**
Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

- General information:** Provide easy access to water supply and eye wash facilities. Do not eat, drink or smoke when using the product. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
- Eye/face protection:** Use approved safety goggles or face shield.
- Skin protection**
Hand Protection: Use suitable protective gloves if risk of skin contact.
- Other:** No data available.
- Respiratory Protection:** No protection is ordinarily required under normal conditions of use and with adequate ventilation.
- Hygiene measures:** Do not get in eyes. Avoid contact with skin. Wash hands thoroughly after handling.

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Environmental Controls: No eSDS available.

9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	Viscous Liquid
Color:	Colorless
Odor:	green - fresh
Odor Threshold:	No data available.
pH:	> 13.00
Freezing point:	No data available.
Boiling Point:	100.00 °C
Flash Point:	> 61.00 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	No data available.
Relative density:	1.0770
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity:	37.500 mm ² /s
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information

VOC Content: EC Directive 1999/13: 47.47 g/l ~4.75 % (calculated)

10. Stability & Reactivity

10.1 Reactivity:	Stable under normal temperature conditions and recommended use.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Avoid heat or contamination. Do not freeze.
10.5 Incompatible Materials:	Strong acids. Strong oxidizing substances. Strong bases.

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10.6 Hazardous Decomposition By fire, toxic gases may be formed (CO_x, NO_x).
Products:

11. Toxicological Information

Information on likely routes of exposure

Inhalation:	None under normal conditions.
Skin Contact:	Causes severe skin burns.
Eye contact:	Causes serious eye damage.
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	Not classified for acute toxicity based on available data.
Specified substance(s)	
SODIUM HYPOCHLORITE	No data available.
SODIUM LAURETH SULFATE	No data available.
SODIUM HYDROXIDE AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available. LD 50 (Rat): 846.000000 mg/kg

Dermal

Product:	Not classified for acute toxicity based on available data.
Specified substance(s)	
SODIUM HYPOCHLORITE	No data available.
SODIUM LAURETH SULFATE	No data available.
SODIUM HYDROXIDE AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available. No data available.

Inhalation

Product:	Not classified for acute toxicity based on available data.
Specified substance(s)	
SODIUM HYPOCHLORITE	No data available.
SODIUM LAURETH SULFATE	No data available.
SODIUM HYDROXIDE AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available. No data available.

Repeated dose toxicity

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Product:	No data available.
Specified substance(s)	
SODIUM	No data available.
HYPOCHLORITE	
SODIUM LAURETH	No data available.
SULFATE	
SODIUM HYDROXIDE	No data available.
AMINES, C12-18-	No data available.
ALKYLDIMETHYL, N-	
OXIDES	

Skin Corrosion/Irritation:

Product:	Causes severe burns.
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Specified substance(s)	
SODIUM	No data available.
HYPOCHLORITE	
SODIUM LAURETH	No data available.
SULFATE	
SODIUM HYDROXIDE	No data available.
AMINES, C12-18-	No data available.
ALKYLDIMETHYL, N-	
OXIDES	

Serious Eye Damage/Eye Irritation:

Product:	Causes serious eye damage.
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Specified substance(s)	
SODIUM	No data available.
HYPOCHLORITE	
SODIUM LAURETH	No data available.
SULFATE	
SODIUM HYDROXIDE	No data available.
AMINES, C12-18-	No data available.
ALKYLDIMETHYL, N-	
OXIDES	

Respiratory or Skin Sensitization:

Product:	Based on available data, the classification criteria are not met.
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Specified substance(s)	
SODIUM	No data available.
HYPOCHLORITE	
SODIUM LAURETH	No data available.
SULFATE	
SODIUM HYDROXIDE	No data available.
AMINES, C12-18-	No data available.
ALKYLDIMETHYL, N-	
OXIDES	

Germ Cell Mutagenicity

In vitro

Product:	Based on available data, the classification criteria are not met.
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Specified substance(s)	
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SODIUM HYPOCHLORITE SODIUM LAURETH SULFATE SODIUM HYDROXIDE AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available. No data available. No data available. No data available.
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In vivo

Product:	Based on available data, the classification criteria are not met.
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Specified substance(s)

SODIUM HYPOCHLORITE SODIUM LAURETH SULFATE SODIUM HYDROXIDE AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available. No data available. No data available. No data available.
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Carcinogenicity

Product:	No data available.
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Specified substance(s)

SODIUM HYPOCHLORITE SODIUM LAURETH SULFATE SODIUM HYDROXIDE AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available. No data available. No data available. No data available.
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Reproductive toxicity

Product:	No data available.
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Specified substance(s)

SODIUM HYPOCHLORITE SODIUM LAURETH SULFATE SODIUM HYDROXIDE AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available. No data available. No data available. No data available.
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Specific Target Organ Toxicity - Single Exposure

Product:	Based on available data, the classification criteria are not met.
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Specified substance(s)

SODIUM HYPOCHLORITE SODIUM LAURETH SULFATE SODIUM HYDROXIDE	No data available. No data available. No data available.
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AMINES, C12-18-
ALKYLDIMETHYL, N-
OXIDES

No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are not met.

Specified substance(s)

SODIUM
HYPOCHLORITE

No data available.

SODIUM LAURETH
SULFATE

No data available.

SODIUM HYDROXIDE

No data available.

AMINES, C12-18-
ALKYLDIMETHYL, N-
OXIDES

No data available.

Aspiration Hazard

Product: Based on available data, the classification criteria are not met.

Specified substance(s)

SODIUM
HYPOCHLORITE

No data available.

SODIUM LAURETH
SULFATE

No data available.

SODIUM HYDROXIDE

No data available.

AMINES, C12-18-
ALKYLDIMETHYL, N-
OXIDES

No data available.

12. Ecological Information

General information: Contains a substance which causes risk of hazardous effects to the environment. This material has not been tested for environmental effects.

12.1 Toxicity

Acute toxicity

Fish

Product: Based on available data, the classification criteria are not met.

Specified substance(s)

SODIUM
HYPOCHLORITE

No data available.

SODIUM LAURETH
SULFATE

No data available.

SODIUM HYDROXIDE

No data available.

AMINES, C12-18-
ALKYLDIMETHYL, N-
OXIDES

No data available.

Aquatic Invertebrates

Product: (Daphnia magna): (EU C.2 OECD TG 202: Daphnia sp. Acute

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Immobilisation Test) In accordance with CLP EC No 1272 2008 Annex 1, 1.1.3 & expert WoE judgment, mixture has been bridged to Industry Shared test data.

Based on available data, the classification criteria are not met.

Specified substance(s)

SODIUM
HYPOCHLORITE
SODIUM LAURETH
SULFATE
SODIUM HYDROXIDE
AMINES, C12-18-
ALKYLDIMETHYL, N-
OXIDES

EC 50 (Ceriodaphnia dubia, 48.0 h): 35.000000 µg/l (flow-through)

Experimental result, Key study

No data available.

No data available.

No data available.

Chronic Toxicity

Fish

Product:

No data available.

Specified substance(s)

SODIUM
HYPOCHLORITE
SODIUM LAURETH
SULFATE
SODIUM HYDROXIDE
AMINES, C12-18-
ALKYLDIMETHYL, N-
OXIDES

No data available.

No data available.

No data available.

No data available.

Aquatic Invertebrates

Product:

No data.

Specified substance(s)

SODIUM
HYPOCHLORITE
SODIUM LAURETH
SULFATE
SODIUM HYDROXIDE
AMINES, C12-18-
ALKYLDIMETHYL, N-
OXIDES

No data available.

No data available.

No data available.

No data available.

Toxicity to Aquatic Plants

Product:

Based on available data, the classification criteria are not met.

Specified substance(s)

SODIUM
HYPOCHLORITE
SODIUM LAURETH
SULFATE
SODIUM HYDROXIDE
AMINES, C12-18-
ALKYLDIMETHYL, N-
OXIDES

NOEC (Algae (Pseudokirchneriella subcapitata), 72.00 h): 0.0054000 mg/l (Static)

No data available.

No data available.

EC 50 (Green algae (Scenedesmus acutus), 72.00 h): 0.2400000 mg/l (Static)

NOEC (Green algae (Scenedesmus acutus), 72.00 h): 0.0625000 mg/l (calculated)

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12.2 Persistence and Degradability

Biodegradation

Product:

The surfactant(s) contained in this mixture comply with biodegradability criteria as laid down in regulations (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member state. The other components of this mixture are either environmentally inert or absorbed onto sewage and sediment etc or will biodegrade to substances which are likely to be of low environmental impact when the mixture is used as directed.

Specified substance(s)

SODIUM HYPOCHLORITE	No data available.
SODIUM LAURETH SULFATE	No data available.
SODIUM HYDROXIDE	No data available.
AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available.

BOD/COD Ratio

Product

No data available.

Specified substance(s)

SODIUM HYPOCHLORITE	No data available.
SODIUM LAURETH SULFATE	No data available.
SODIUM HYDROXIDE	No data available.
AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available.

12.3 Bioaccumulative potential

Product:

The product is not bioaccumulating.

Specified substance(s)

SODIUM HYPOCHLORITE	No data available.
SODIUM LAURETH SULFATE	No data available.
SODIUM HYDROXIDE	No data available.
AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available.

12.4 Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments

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SODIUM HYPOCHLORITE	No data available.
SODIUM LAURETH SULFATE	No data available.
SODIUM HYDROXIDE	No data available.
AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES	No data available.

12.5 Results of PBT and vPvB assessment: Based on available data, the classification criteria are not met.

SODIUM HYPOCHLORITE	No data available.
SODIUM LAURETH SULFATE	No data available.
SODIUM HYDROXIDE	No data available.
AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES	No data available.

12.6 Other adverse effects: Toxic to aquatic life with long lasting effects.

12.7 Additional Information: No data available.

13. Disposal

13.1 Waste treatment methods

General information: Dispose of contents/container in accordance with local requirements for domestic waste disposal.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

14. Transport Information

ADR

14.1 UN Number:	UN 1791
14.2 UN Proper Shipping Name:	HYPOCHLORITE SOLUTION
14.3 Transport Hazard Class(es)	
Class:	8
Label(s):	8
Hazard No. (ADR):	80
Tunnel restriction code:	(E)
14.4 Packing Group:	III
Limited quantity	5.00L
Excepted quantity	PIN for exception quantity
14.5 Environmental Hazards:	Yes
Marine Pollutant	Yes
14.6 Special precautions for user:	Not regulated.

ADN

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14.1 UN Number:	UN 1791
14.2 UN Proper Shipping Name:	HYPOCHLORITE SOLUTION
14.3 Transport Hazard Class(es)	
Class:	8
Label(s):	8
Hazard No. (ADR):	–
14.4 Packing Group:	III
Limited quantity	5.00L
Excepted quantity	PIN for exception quantity
14.5 Environmental Hazards:	Yes
Marine Pollutant	Yes
14.6 Special precautions for user:	Not regulated.

RID

14.1 UN Number:	UN 1791
14.2 UN Proper Shipping Name	HYPOCHLORITE SOLUTION
14.3 Transport Hazard Class(es)	
Class:	8
Label(s):	8
14.4 Packing Group:	III
14.5 Environmental Hazards:	Yes
Marine Pollutant	Yes
14.6 Special precautions for user:	Not regulated.

IMDG

14.1 UN Number:	UN 1791
14.2 UN Proper Shipping Name:	HYPOCHLORITE SOLUTION
14.3 Transport Hazard Class(es)	
Class:	8
Label(s):	8
EmS No.:	F-A, S-B
14.4 Packing Group:	III
Limited quantity	5.00L
Excepted quantity	PIN for exception quantity
14.5 Environmental Hazards:	Yes
Marine Pollutant	Yes
14.6 Special precautions for user:	Not regulated.

IATA

14.1 UN Number:	UN 1791
14.2 Proper Shipping Name:	Hypochlorite solution
14.3 Transport Hazard Class(es):	
Class:	8
Label(s):	8
14.4 Packing Group:	III
Cargo aircraft only :	852

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Passenger and cargo aircraft :	852
Limited quantity:	1.00L Y841
Excepted quantity	PIN for exception quantity
14.5 Environmental Hazards:	Yes
Marine Pollutant	Yes
14.6 Special precautions for user:	Not regulated.
Cargo aircraft only:	Allowed.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: not applicable

15. Regulatory Information

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

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none
Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 689/2008 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

Regulation (EC) No. 1907/2006, REACH, Annex XVII Substances subject to restriction on marketing and use: none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work: none

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

International regulations

Montreal protocol

Stockholm convention

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Rotterdam convention

Kyoto protocol

16. Other Information

Revision Information: Not relevant.

References

PBT PBT: persistent, bioaccumulative and toxic substance.
vPvB vPvB: very persistent and very bioaccumulative substance.

Key literature references and sources for data: No data available.

Wording of the H-statements in section 2 and 3

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.
H335	May cause respiratory 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.
H412	Harmful to aquatic life with long lasting effects.

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.

Met. Corr. 1, H290
Skin Corr. 1A, H314
Eye Dam. 1, H318
Aquatic Chronic 2, H411

DetNet Classification Not relevant.

Logging Number:

Issue Date: 17.02.2017

SDS No.: UN000000000016133674-1060-1-01

Disclaimer: Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

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