

# **XtraProtect Concentrate**

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

#### 1.1 - Product identifier

Trade XtraProtect Concentrate

name/designation Chemical name

Product-type Mixture

Product code 1Litre - X20052, 5Litre - X20053

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

Relevant identified uses - Disinfectant

Concentrate

- Requires dilution to produce a RTU surface

sanitiser.

Uses advised against - Use only for intended applications

- Not for direct contact with Food or Beverage

stuffs.

- Not for oral consumption.

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

BioBax Ltd

Technology Park, Standback Way, Skelmanthorpe, West Yorkshire. HD8 9GA United Kingdom

Telephone: +44 (0) 1484 868 970

SDS contact: Tel: +44 (0) 1484 868 970 (office hours only) email: safety@biobax.co.uk

### Manufacturer

BioBax Ltd

Technology Park, Standback Way, Skelmanthorpe, West Yorkshire. HD8 9GA United Kingdom

### 1.4 - Emergency telephone number

- National Poisons Information Service

For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)

If you are a healthcare professional with an enquiry please visit www.TOXBASE.org United Kingdom

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

# 2.1 - Classification of the substance or mixture

Biocide Labelling:

Contains active substance: Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) CAS No

68424-85-1, 1.25g/100g

Contains active substance: Didecyldimethylammonium chloride (DDAC) CAS 7173-51-5, 1g/100g.

Skin Irrit. 2	Irritation, Category 2
Eye Dam. 1	Serious eye damage, Category 1



# **XtraProtect Concentrate**

Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

#### 2.2 - Label elements

Contains: Alcohols C9-11,ethoxylated (CAS No.: 68439-46-3) | D-Glucopyranose, oligomers, decyl octyl glycosides (CAS No.: 68515-73-1) | didecyldimethylammonium chloride (CAS No.: 7173-51-5) | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (CAS No.: 68424-85-1)

Signal word

Danger

Hazard pictograms



#### Hazard statements

H315	Causes skin irritation
H318	Causes serious eye damage
H412	Harmful to aquatic life with long lasting effects

#### Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves/eye protection.
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/a doctor.
P501	Dispose of in accordance with national regulation.
EUH-phrases	
EUH208	Contains 1,2-benzisothiazol-3(2H)-one (2634-33-5) . May produce an allergic reaction

#### Regulation (EC) No. 648/2004 (Detergents regulation)

#### Contains:

- less than 5%: cationic surfactants, amphoteric surfactants, nonionic surfactants
- Disinfectants
- Preservative: BENZISOTHIAZOLINONE

#### 2.3 - Other hazards

PBT-substance.	- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
Other hazards which do not result in classification	<ul> <li>This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.</li> </ul>
	<ul> <li>This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.</li> </ul>

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



# **XtraProtect Concentrate**

### 3.1 - Substances

# Not applicable

### 3.2 - Mixtures

- Full text of H- and EUH-statements: see section 16.
- Contains:
- Substance with a Community workplace exposure limit
- See section 8.

Chemical name	No	%	Class(es)	Specific concentration limit
2-butoxyethanol	CAS No. : 111-76-2		ATE oral 1200	
D-Glucopyranose, oligomers, decyl octyl glycosides	CAS No. : 68515-73-1		Not applicable	
Alcohols C9-11,ethoxylated	CAS No. : 68439-46-3 Index No. : EC No. :	1 - < 3	Acute Tox. 4 Oral - H302 Eye Dam. 1 - H318	Not applicable
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	CAS No. : 68424-85-1 Index No. : EC No. : 270-325-2	1 - < 3	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318 Skin Corr. 1B - H314	M-factor: 10 / 1 ATE oral 398
didecyldimethylammonium chloride	CAS No.: 7173-51-5 Index No.: 612-131-00-6 EC No.: 230-525-2 REACH No.: 01-2119945987-15-XXXX	1 - < 3	Acute Tox. 3 Oral - H301 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411 Eye Dam. 1 - H318 Skin Corr. 1B - H314	M-factor: 10 ATE oral 238
propan-2-ol	CAS No. : 67-63-0 Index No. : 603-117-00-0 EC No. : 200-661-7 REACH No. : 01-2119457558-25-XXXX	< 1	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
1,2-benzisothiazol-3(2H)-one	CAS No. : 2634-33-5 Index No. : 613-088-00-6 EC No. : 220-120-9	< 0.05	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411 Eye Dam. 1 - H318 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Skin Sens. 1 - H317 : 0.05<=%<100 M-factor: 1 ATE oral 1020

# **SECTION 4: First aid measures**

# 4.1 - Description of first aid measures

Following inhalation	- Provide fresh air.
Following skin contact	<ul><li>After contact with skin, wash immediately with plenty of water and soap.</li><li>In case of skin irritation, consult a physician.</li></ul>
After eye contact	- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
After ingestion	<ul><li>Rinse mouth thoroughly with water.</li><li>Do NOT induce vomiting.</li></ul>

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



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Symptoms and effects - Following inhalation	- No information available.
Symptoms and effects - Following skin contact	- Causes skin irritation.
Symptoms and effects - After eye contact	<ul><li>Serious eye damage/eye irritation</li><li>The following symptoms may occur:Impairment of vision</li><li>Conjunctival redness.</li><li>Causes tears.</li></ul>
Symptoms and effects - After ingestion	- No information available.

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

- Treat symptomatically.

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

5.1	-	Ext	ing	uis	hing	med	lıa
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Suitable extinguishing media	<ul><li>- ABC-powder</li><li>- Carbon dioxide (CO2)</li><li>- Foam</li><li>- Extinguishing powder</li></ul>
Unsuitable extinguishing media	- Full water jet

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

Special hazards arising from the substance or mixture	- No information available.
Hazardous decomposition products	<ul><li>- Hazardous combustion products</li><li>- Gases/vapours, irritant</li><li>- Gases/vapours, toxic</li><li>- Carbon dioxide (CO2)</li><li>- Carbon monoxide</li></ul>

### 5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Wear a self-contained breathing apparatus and chemical protective clothing.
- Do not allow run-off from fire-fighting to enter drains or water courses.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Use water spray jet to protect personnel and to cool endangered containers.

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

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

For non-emergency personnel	<ul><li>Use personal protection equipment.</li><li>Remove persons to safety.</li><li>Avoid contact with skin, eyes and clothes.</li><li>Provide adequate ventilation.</li></ul>
For emergency responders	- Wear personal protection equipment (refer to section 8).



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- Remove pers	sons to safety.
- Avoid contac	ct with skin, eyes and clothes.
- Provide adeo	guate ventilation.

### 6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.

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

Methods and material for containment	- No information available.
Methods and material for cleaning up	<ul> <li>Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).</li> </ul>
	- Collect in closed and suitable containers for disposal.
	- Wash with plenty of water.
Inappropriate techniques	- No information available.
O.A. Defenses to allow a self-up.	

#### 6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

# **SECTION 7: Handling and storage**

### 7.1 - Precautions for safe handling

Recommendation	<ul> <li>Avoid: Eye contact</li> <li>It is recommended to design all work processes always so that the following is excluded: Eye contact</li> <li>Avoid: Skin contact</li> <li>It is recommended to design all work processes always so that the following is excluded: Skin contact</li> </ul>
Advices on general occupational hygiene	<ul> <li>Provide eye shower and label its location conspicuously</li> <li>Wash hands before breaks and after work.</li> <li>Immediately remove any contaminated clothing, shoes or stockings.</li> <li>Thorough skin-cleansing after handling the product.</li> <li>When using do not eat, drink, smoke, sniff.</li> <li>Work in well-ventilated zones or use proper respiratory protection.</li> </ul>

# 7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.
- Do not store together with: Food and feedingstuffs

### 7.3 - Specific end use(s)

- The identified uses for this product are detailed in Section 1.2.

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

### 8.1 - Control parameters



# **XtraProtect Concentrate**

propan-2-ol (67-63-0)	
TWA EH40 ppm (UK)	400 ppm
TWA EH40 mg/m³ (UK)	999 mg/m3
STEL EH40 ppm (UK)	500 ppm
STEL EH40 mg/m³ (UK)	1250 mg/m3
2-butoxyethanol (111-76-2)	
IOELV TWA mg/m3 (UE)	98 mg/m3 Skin
IOELV TWA ppm (UE)	20 ppm Skin
IOELV STEL mg/m3 (UE)	246 mg/m3 Skin
IOELV STEL ppm (UE)	50 ppm Skin
TWA EH40 ppm (UK)	25 ppm
TWA EH40 mg/m³ (UK)	123 mg/m3
STEL EH40 ppm (UK)	50 ppm
STEL EH40 mg/m³ (UK)	246 mg/m3 Skin
	BMGV

# **DNEL / PNEC**

D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1)			
Туре	Value	User	Effect
DNEL long-term oral (repeated)	35.7 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	420 mg/m3	Workers	Systemic
DNEL long-term inhalative	124 mg/m3	Consumers	Systemic
DNEL long-term dermal	357000 mg/kg bw/day	Consumers	Systemic
DNEL long-term dermal	595000 mg/kg bw/day	Workers	Systemic
PNEC aquatic, freshwater	0.176 mg/l		
PNEC aquatic, marine water	0.018 mg/l		
PNEC sediment, freshwater	1.516 mg/kg		
PNEC sediment, marine water	0.152 mg/kg		
PNEC soil	0.654 mg/kg		
PNEC Secondary Poisoning	111.11 mg/kg		
PNEC sewage treatment plant (STP)	560 mg/l		

2-butoxyethanol (111-76-2)			
Туре	Value	User	Effect
DNEL short-term oral (acute)	26.7 mg/kg	Consumers	Systemic
DNEL long-term oral (repeated)	6.3 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	426 mg/m3	Consumers	Systemic
DNEL acute inhalative	147 mg/m3	Consumers	Local
DNEL acute inhalative	1091 mg/m3	Workers	Systemic
DNEL long-term inhalative	246 mg/m3	Workers	Local
DNEL long-term inhalative	98 mg/m3	Workers	Systemic
DNEL long-term inhalative	59 mg/m3	Consumers	Systemic
DNEL acute dermal, short-term	89 mg/kg	Workers	Systemic
DNEL long-term dermal	125 mg/kg bw/day	Workers	Systemic
PNEC aquatic, freshwater	8.8 mg/l		
PNEC aquatic, marine water	0.88 mg/l		
PNEC sediment, freshwater	34.6 mg/kg		
PNEC sediment, marine water	3.46 mg/kg		
PNEC soil	2.33 mg/kg		
PNEC sewage treatment plant (STP)	463 mg/l		

# 8.2 - Exposure controls

Appropriate engineering controls

- Provide adequate ventilation.



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### Individual protection measures, such as personal - Suitable eye protection: Eye glasses protective equipment

with side protection



- Tested protective gloves must be worn



- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Breakthrough times and swelling properties of the material must be taken into consideration.
- Suitable material: NBR (Nitrile rubber)
- Suitable protective clothing:
- Barrier creams are not substitutes for body protection.
- After contact with skin, wash immediately with plenty of water and
- Provide eve shower and label its location conspicuously
- Take off contaminated clothing and wash it before reuse.
- Wash hands before breaks and after work.
- Respiratory protection necessary at: exceeding exposure limit values

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

# 9.1 - Information on basic physical and chemical properties

Physical state	Liquid	<u>Appearance</u>	Liquid
Colour	colourless	<u>Odour</u>	characteristic
Odour threshold		No data available	
рН		No data available	
Melting point		No data available	
Freezing point		No data available	



# **XtraProtect Concentrate**

B	400.00
Boiling point	> 100 °C
Flash point	> 60 °C
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	No data available
Solubility (Water)	100 %
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

#### 9.2 - Other information

VOC content	2.4 % calculated.
Minimum ignition energy	No data available
Conductivity	No data available

- Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

# **SECTION 10: Stability and reactivity**

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

# 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

#### 10.4 - Conditions to avoid

- prolonged exposure to extreme heat

### 10.5 - Incompatible materials

- Oxidising agent, strong
- Reducing agent, strong
- Strong acid
- Strong alkali



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# 10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.
- Thermal decomposition can lead to the escape of irritating gases and vapours.
- Gases/vapours, toxic
- Carbon dioxide
- Carbon monoxide

# **SECTION 11: Toxicological information**

# 11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	- Not classified	
Toxicity : Mixture		
	LD50 oral (rat)	No data available
	LD50 dermal (rat)	No data available
	LD50 dermal (rabbit)	No data available
	LC50 inhalation (rat)	No data available
	LC50 inhalation dusts and mists (rat)	No data available
	LC50 inhalation vapours (rat)	No data available
	<ul> <li>Based on available data, the classification</li> <li>Calculation method.</li> </ul>	criteria are not met.
Toxicity : Substances		
	didecyldimethylammonium chloride (7173-51	-5)
	LD50 oral (rat)	238 mg/kg
	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
	LD50 oral (rat)	398 mg/kg
	1,2-benzisothiazol-3(2H)-one (2634-33-5)	
	LD50 oral (rat)	1020 mg/kg
Skin corrosion/irritation	- Irritation, Category 2 - Causes skin irritation	1
	<ul><li>Irritating to skin.</li><li>Calculation method.</li></ul>	
Serious eye damage/eye irritation	- Serious eye damage, Category 1 - Causes	serious eye damage
	<ul><li>Risk of serious damage to eyes.</li><li>Causes serious eye irritation.</li><li>Calculation method.</li></ul>	
Respiratory or skin sensitisation	- Not classified	
	<ul> <li>Based on available data, the classification</li> <li>Calculation method.</li> <li>May cause sensitisation especially in sensi</li> </ul>	



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Germ cell mutagenicity	- Not classified
	- Based on available data, the classification criteria are not met.
Carcinogenicity	- Not classified
	- Based on available data, the classification criteria are not met.
Reproductive toxicity	- Not classified
	- Based on available data, the classification criteria are not met.
STOT-single exposure	- Not classified
	<ul><li>Based on available data, the classification criteria are not met.</li><li>Calculation method.</li></ul>
STOT-repeated exposure	- Not classified
	- Based on available data, the classification criteria are not met.
Aspiration hazard	- Not classified

# **SECTION 12: Ecological information**

# 12.1 - Toxicity

Toxicity: Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

# Toxicity: Substances

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
EC50 48 hr crustacea	2.9 mg/l Daphnia magna (Big water flea)
LC50 96 hr fish	16.7 mg/l

- Harmful to aquatic life with long lasting effects.

# 12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- Biodegradable.
- The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.



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### 12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No information available.
- 12.4 Mobility in soil
- easily soluble
- Water
- If product enters soil, it will be mobile and may contaminate groundwater.

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

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6 - Other adverse effects

- No information available.

# **SECTION 13: Disposal considerations**

#### 13.1 - Waste treatment methods

Waste treatment methods	<ul> <li>Dispose of waste according to applicable legislation.</li> <li>Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.</li> <li>Handle contaminated packages in the same way as the substance itself.</li> </ul>
Sewage disposal	- No information available.
Special precautions for waste treatment	<ul><li>Waste for disposal is to be classified and labelled.</li><li>Do not mix with other wastes.</li><li>Consult the appropriate local waste disposal expert about waste disposal.</li></ul>
Community or national or regional provisions	- The waste code has to be identified in agreement with the disposal company or the competent authority.

# **SECTION 14: Transport information**

### 14.1 - UN number or ID number

Not applicable

- 14.2 UN proper shipping name
- 14.3 Transport hazard class(es)
- 14.4 Packing group
- 14.5 Environmental hazards
- 14.6 Special precautions for user
- 14.7 Maritime transport in bulk according to IMO instruments



### **XtraProtect Concentrate**

# **SECTION 15: Regulatory information**

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

Substances REACH None
candidates
Substances Annex XIV None
Substances Annex XVII None
VOC content 2.4 %

- Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

#### Regulation (EC) No. 648/2004 (Detergents regulation)

#### Contains:

- less than 5%: cationic surfactants, amphoteric surfactants, nonionic surfactants
- Disinfectants
- Preservative: BENZISOTHIAZOLINONE

# 15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product

- Relevant exposure scenario information for the components of this mixture has been included in this Safety Data Sheet and therefore no annex is provided.

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

#### SDS versions

Version	Issue date	Author	Description of the amendments
2.1	24/02/2023	J Waterfield	See below:
2	21/08/2020		

SECTION 2: Hazards identification

SECTION 3: Composition / information on ingredients SECTION 8: Exposure controls/personal protection SECTION 9: Physical and chemical properties

SECTION 11: Toxicological information SECTION 12: Ecological information

Abbreviations and acronyms

- For abbreviations and acronyms, see table at http://abbrev.esdscom.eu

Data sources: Material Safety Data Sheet, Misc. manufacturers.

#### Texts of the regulatory sentences

Acute Tox. 2 Inhalation	Acute toxicity (inhalative) - Category 2
Acute Tox. 3 Dermal	Acute toxicity (dermal) - Category 3
Acute Tox. 3 Oral	Acute toxicity (oral) - Category 3
Acute Tox. 4 Dermal	Acute toxicity (dermal) - Category 4



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Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Actie 1  Hazardous to the aquatic environment - Aquatic Chronic 1
1	nazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 2	Flammable liquid and vapour Category 2
Flam. Liq. 4	Flammable liquid and vapour Category 4
H225	Highly flammable liquid and vapour
H227	Combustible liquid
H302	Harmful if swallowed
H302+H312	Harmful if swallowed or 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
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1
STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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