

XtraProtect Hand & Touch

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

1.1 - Product identifier

Trade name/designation XtraProtect Hand & Touch
Chemical name
Product-type Mixture
Product code 100ml - X20350, 500ml - X20364, 5Litre - X20370

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

Relevant identified uses - Hand Sanitiser/ Surface Cleaner & 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, 0.063g/100g

Contains active substance: Didecyldimethylammonium chloride (DDAC) CAS 7173-51-5, 0.05g/100g.

Not Classified	Not classified
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2.2 - Label elements

Signal word : None
Pictograms : None

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Hazard statements : None
Precautionary statements : None
EUH-phrases : None

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

Contains:

- 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 - This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.
- This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition / information on ingredients

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, ethylene glycol monobutyl ether, butyl cellosolve	CAS No. : 111-76-2 Index No. : 603-014-00-0 EC No. : 203-905-0 REACH No. : 01-2119475108-36-XXXX	< 1	Acute Tox. 4 Inhalation - H332 Acute Tox. 4 Oral - H302 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315	ATE oral 1200
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	CAS No. : 68424-85-1 Index No. : EC No. : 270-325-2	< 0.1	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	< 0.1	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

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - Provide fresh air.

Following skin contact - If skin irritation occurs:
- Wash with plenty of water.

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- When in doubt or if symptoms are observed, get medical advice.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- Remove contact lenses, if present and easy to do. Continue rinsing.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

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

Symptoms and effects - Following inhalation

- No information available.

Symptoms and effects - Following skin contact

- No information available.
- Frequently or prolonged contact with skin may cause dermal irritation.

Symptoms and effects - After eye contact

- No information available.

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 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

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

- Hazardous combustion products
- Carbon dioxide (CO₂)
- Carbon monoxide

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.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

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For non-emergency personnel

- Use personal protection equipment.
- Avoid contact with eyes and clothes.
- Provide adequate ventilation.

For emergency responders

- Wear personal protection equipment (refer to section 8).
- Avoid contact with eyes and clothes.
- Provide adequate ventilation.

6.2 - Environmental precautions

- Avoid discharge into drains or watercourses or onto the ground.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- No information available.

Methods and material for cleaning up

- Large amounts of spillages:
 - Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
 - Wash with plenty of water.
- Small amounts of spillages:
 - Wipe up with absorbent material (eg. cloth, fleece).
 - Wash with plenty of water.

Inappropriate techniques

- No information available.

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

- No special technical protective measures are necessary.
- Avoid contact with eyes and clothes.

Advices on general occupational hygiene

- When using do not eat, drink, smoke, sniff.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.

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

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

IOELV TWA mg/m ³ (UE)	98 mg/m ³ Skin
IOELV TWA ppm (UE)	20 ppm Skin
IOELV STEL mg/m ³ (UE)	246 mg/m ³ Skin
IOELV STEL ppm (UE)	50 ppm Skin
TWA EH40 ppm (UK)	25 ppm

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TWA EH40 mg/m ³ (UK)	123 mg/m ³
STEL EH40 ppm (UK)	50 ppm
STEL EH40 mg/m ³ (UK)	246 mg/m ³ Skin
	BMGV

DNEL / PNEC

didecyldimethylammonium chloride (7173-51-5)

Type	Value	User	Effect
PNEC aquatic, freshwater	0.0011 mg/l		
PNEC aquatic, marine water	0.00011 mg/l		
PNEC sediment, freshwater	61.86 mg/kg		
PNEC sediment, marine water	6.186 mg/kg		
PNEC soil	1.4 mg/kg		
PNEC sewage treatment plant (STP)	0.14 mg/l		

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

Type	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/m ³	Consumers	Systemic
DNEL acute inhalative	147 mg/m ³	Consumers	Local
DNEL acute inhalative	1091 mg/m ³	Workers	Systemic
DNEL long-term inhalative	246 mg/m ³	Workers	Local
DNEL long-term inhalative	98 mg/m ³	Workers	Systemic
DNEL long-term inhalative	59 mg/m ³	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

- No information available.

Individual protection measures, such as personal protective equipment

- Avoid contact with eyes.

- Eye glasses
- Frequently or prolonged contact with skin may cause dermal irritation.
- Wear suitable gloves.
- Suitable protective clothing:
- Handling larger quantities
- After contact with skin, wash immediately with plenty of water and soap.
- Wash hands before breaks and after work.
- Do not eat, drink or smoke when using this product.

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SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Liquid
Colour	colourless	Odour	characteristic
Odour threshold		No data available	
pH		4 - 5	
Melting point		No data available	
Freezing point		No data available	
Boiling point		> 100 °C	
Flash point		> 93 °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		1	
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	0.1 % calculated.
Minimum ignition energy	No data available
Conductivity	No data available
VOC Composite Partial Pressure (Calculated @ 20oC/68oF)	No data available
C.A.R.B. V.O.C.	No data available
% Photo Chemically Reactive	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

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- 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

- No information available.

10.5 - Incompatible materials

- No information available.

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.
- 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

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

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

Skin corrosion/irritation - Not classified

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

Serious eye damage/eye irritation - Not classified

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

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

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

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

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

12.3 - Bioaccumulative potential

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

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.
- easily soluble
- Water

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

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available. - Consult the appropriate local waste disposal expert about waste disposal.
<u>Community or national or regional provisions</u>	- No information available.

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

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None

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VOC content 0.1 %

- 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:

- 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
2.2	05/10/2023	J Waterfield	1.2, 4, 6, 7, 8.
2.1	24/02/2023	J Waterfield	
2	11/11/2023		

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 Inhalation	Acute toxicity (inhalative) - Category 3
Acute Tox. 3 Oral	Acute toxicity (oral) - Category 3
Acute Tox. 4 Dermal	Acute toxicity (dermal) - Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
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

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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
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
Not Classified	Not classified
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Irritation, Category 2
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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