



VAX ULTRA+ SANITISE

Version 1

Issued: 26.09.2013

Original Revision date: 25.09.2013

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

1.1 Product Information

Trade name: ULTRA+ Sanitise
Identification number: 61335 V3

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

Use of the Substance/Mixture: Cleaning agent

1.3 Company details

Name: Vax Ltd
Address: Kingswood Road
Hampton Lovett
Droitwich
Worcestershire
WR9 0QH
ENGLAND

1.4 Telephone number

(UK) 01905 388 290

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Special labelling of certain mixtures :

Safety data sheet available on request for professional users.

2.2 Other Hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS



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3.2 Mixtures

Chemical nature: Aqueous surfactant solution

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (Regulation (EC) No 1272/2008)	Concentration [%]
tetrapotassium pyrophosphate	7320-34-5 230-785-7 01- 2119489369- 18	Xi; R36	Eye Irrit. 2; H319	>= 2 - < 5
2-(2- butoxyethoxy)ethanol	112-34-5 203-961-6 01- 2119475104-44	Xi; R36	Eye Irrit. 2; H319	>= 2 - < 5
2-phenoxyethanol	122-99-6 204-589-7 01- 2119488943-21	Xn; R22 Xi; R36	Acute Tox. 4; H302 Eye Irrit. 2; H319	>= 2 - < 5
sodium p- cumenesulphonate	15763-76-5 239-854-6 01- 2119489411-37	Xi; R36	Eye Dam. 2; H319	>= 2 - < 5

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: No hazards which require special first aid measures.

If inhaled: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.

In case of skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

In case of eye contact: Protect unharmed eye. If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing.



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If swallowed: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available.
Risks: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: For specialist advice physicians should contact the Poisons Information Service

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products:

5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions: Try to prevent the material from entering drains or water courses.
No special environmental precautions required.



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6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8. Treat recovered material as described in the section "Disposal considerations". Refer to section 15 for specific national regulation.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling: For personal protection see section 8. No special handling advice required.

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Hygiene measures: General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

Advice on common storage: No special restrictions on storage with other products.

Other data: No decomposition if stored and applied as directed. Protect from frost.

7.2 Specific end use(s)

Specific use(s): Cleaning agent

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters



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Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
BUTOXYDIGLYCOL		TWA	10 ppm 67,5 mg/m ³	2006-02-09	2006/15/EC
Further information	:	Indicative		:	
BUTOXYDIGLYCOL		STEL	15 ppm 101,2 mg/m ³	2006-02-09	2006/15/EC
Further information	:	Indicative			
BUTOXYDIGLYCOL		TWA	10 ppm 67,5 mg/m ³	2007-08-01	GB EH40
BUTOXYDIGLYCOL		STEL	15 ppm 101,2 mg/m ³	2007-08-01	GB EH40

DNEL tetrapotassium pyrophosphate :

End Use: Workers
Exposure routes:
Inhalation
Potential health effects:
Long-term exposure,
Systemic effects
Value: 2,79 mg/m³

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term exposure,
Systemic effects
Value: 0,68 mg/m³

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term exposure,
Systemic effects

2-(2-butoxyethoxy)ethanol

End Use: Workers
Exposure routes:
Inhalation
Potential health effects:
Short-term exposure,
Local effects
Value: 101,2 mg/m³

End Use: Workers

Exposure routes: Inhalation
Potential health effects: Long-term exposure,
Systemic effects
Value: 67,5 mg/m³
End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term exposure,



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Systemic effects

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Short-term exposure,

Local effects

Value: 67,5 mg/m³

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Short-term exposure,

Local effects

Value: 50,6 mg/m³

End Use: Consumers

Exposure routes: Ingestion

Potential health effects: Long-term exposure,

Systemic effects

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Long-term exposure,

Systemic effects

Value: 34 mg/m³

End Use: Consumers

Exposure routes: Skin contact

Potential health effects: Long-term exposure,

Systemic effects

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Long-term exposure,

Local effects

Value: 34 mg/m³

2-phenoxyethanol

End Use: Workers

Exposure routes: Skin contact

Potential health effects: Long-term exposure, Systemic effects

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term exposure,

Systemic effects

Value: 8,07 mg/m³

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term exposure,

Local effects

Value: 8,07 mg/m³

End Use: Consumers

Exposure routes: Ingestion

Potential health effects: Short-term exposure,

Systemic effects

End Use: Consumers

Exposure routes: Skin contact



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Potential health effects: Long-term exposure,
Systemic effects

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Long-term exposure,
Systemic effects

Value: 2,41 mg/m³

End Use: Consumers

Exposure routes: Ingestion

Potential health effects: Long-term exposure,
Systemic effects

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Long-term exposure,
Local effects

Value: 2,41 mg/m³

**sodium p-
cumenesulphonate** :

End Use: Workers

Exposure routes: Skin
contact

Potential health effects:
Long-term exposure,
Specific effects

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term exposure,
Systemic effects

Value: 53,6 mg/m³

End Use: Consumers

Exposure routes: Skin contact

Potential health effects: Long-term exposure,
Systemic effects

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Long-term exposure,
Systemic effects

Value: 13,2 mg/m³

End Use: Consumers

Exposure routes: Ingestion

Potential health effects: Long-term exposure,
Systemic effects

PNEC : Fresh water
tetrapotassi Value: 0,05
um mg/l
pyrophosph
ate



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Marine water
Value: 0,005
mg/l
STP
Value: 50
mg/l
intermittent
release
Value: 0,5
mg/l

**2-(2-
butoxyeth
oxy)ethan
ol**

Fresh water
Value: 1
mg/l

Marine water
Value: 0,1 mg/l
Fresh water
sediment
Value: 4 mg/kg
Marine
sediment
Value: 0,4
mg/kg
Soil
Value: 0,4
mg/kg

**2-
phenoxyeth
anol**

Fresh water
Value: 0,943
mg/l

Marine water
Value: 0,0943
mg/l
Fresh water
sediment
Value: 7,2366
mg/kg
Marine
sediment
Value: 0,7237
mg/kg
Soil
Value: 1,26
mg/kg

sodium p-cumenesulphonate
Fresh water
Value: 0,23 mg/l



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8.2 Exposure controls

Personal protective equipment

<u>Eye protection:</u>	Safety glasses
<u>Hand protection</u>	
Material:	Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.
Glove thickness:	0,4 mm
Remarks:	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
<u>Skin and body protection:</u>	Protective suit
<u>Respiratory protection:</u>	No personal respiratory protective equipment normally required.

Environmental exposure controls

General advice:	Try to prevent the material from entering drains or water courses. No special environmental precautions required.
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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	colourless
Odour:	Characteristic
Odour Threshold:	no data available
pH:	7,5
Melting point/range:	no data available
Boiling point/boiling range:	No information available.
Flash point:	no data available
Evaporation rate:	no data available
Flammability (solid, gas):	no data available
Burning rate:	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Vapour pressure:	no data available
Relative vapor density:	no data available
Relative density:	no data available
Density:	1 g/cm ³
Water solubility:	no data available
Solubility in other solvents:	no data available
Partition coefficient: n-octanol/water:	no data available
Ignition temperature:	no data available
Thermal decomposition:	no data available



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Viscosity, dynamic:	no data available
Viscosity, kinematic:	no data available
Explosive properties:	no data available
Oxidizing properties:	no data available

9.2 Other information

None

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended storage conditions. No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions: No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid: no data available

10.5 Incompatible materials

Materials to avoid: no data available

10.6 Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products are known.

Other information: No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product

Skin corrosion/irritation: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.



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Respiratory or skin sensitization: no data available

Further information: no data available

Components:

**TETRAPOTASSIUM
PYROPHOSPHATE** : Acute
oral toxicity

Acute inhalation :
toxicity

LD50 Oral rat: > 2.000 mg/kg

LC50 rat: 1,1

mg/l

Method: OECD

Test Guideline

403

Acute dermal :
toxicity

LD50 Dermal

rabbit: > 7.940

mg/kg

LD50 Dermal rabbit: > 2.000 mg/kg

Method: OECD Test Guideline 402

BUTOXYDIGLYCOL :

Acute oral :
toxicity

LD50 rat:

3.384 mg/kg

PHENOXYETHANOL : Acute : LD50 Oral rat: 1.260 mg/kg
oral toxicity

Acute dermal toxicity : LD50 rabbit: 5.000 mg/kg

LD50 rat: 14.422 mg/kg

15763-76-5 : Acute oral :
toxicity

LD50 Oral rat: > 2.000

mg/kg

Method: OECD Test

Guideline 401

Acute inhalation toxicity :

LC50 : 5 mg/l

Exposure time: 232 min

Acute dermal toxicity :

LD50 Dermal : > 2.000

mg/kg

Skin corrosion/irritation :

Species: rabbit

Result: Mild skin

irritation

Method: OECD Test

Guideline 404

Based on available

data, the classification

criteria are not met.

Serious eye :
damage/eye irritation

Species: rabbit

Result: Moderate eye

irritation

Method: OECD Test

Guideline 405

Causes serious eye



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Respiratory or skin sensitization	:	irritation. Test Method: Buehler Test Species: guinea pig Result: Did not cause sensitization on laboratory animals. Method: OECD Test Guideline 406
Teratogenicity	:	Species: rat Application Route: Oral 3.000 mg/kg 3.000 mg/kg
Repeated dose toxicity	:	rat: NOAEL: 763 mg/kg Application Route: Oral Target Organs: Cardio-vascular system
mouse: NOAEL: 440 mg/kg LOAEL: 1.300 mg/kg Application Route: Dermal Method: see user defined free text Target Organs: Skin		

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Components:

TETRAPOTASSIUM PYROPHOSPHATE :

Toxicity to fish

LC0 (Leuciscus idus (Golden orfe)): > 750 mg/l
Exposure time: 48 h

LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia

EC50 (Daphnia magna (Water flea)):
> 100 mg/l

Exposure time: 48 h

Method: OECD Test

Guideline 202 and

other aquatic

invertebrates

Toxicity to algae

ErC50 : > 100

mg/l

Exposure time:



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72 h
Method: OECD
Test Guideline
201

NOEC : > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to bacteria :
(activated sludge): > 1.000 mg/l
Exposure time: 3 h

Method: OECD
Test Guideline
209

Toxicity to fish (Chronic toxicity) :
100 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD
Test Guideline
203

BUTOXYDIGLYCOL :
Toxicity to fish

LC50 (Lepomis macrochirus (Bluegill sunfish)): 1.300 mg/l
Exposure time: 96 h
EC50 (Daphnia magna (Water flea)): 2.850 mg/l

Toxicity to daphnia and other aquatic invertebrates

Exposure time: 24 h
Method: DIN 38412
IC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201

Toxicity to algae

Toxicity to bacteria

EC10 (Bacteria): 1.170 mg/l
Exposure time: 16 h

PHENOXYETHANOL :

Toxicity to fish
LC50 (Pimephales promelas (fathead minnow)): 344 mg/l
Exposure time: 96 h
LC50 (Leuciscus idus (Carp))): 220 - 460 mg/l
Exposure time: 96 h



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Toxicity to daphnia and
aquatic invertebrates
EC50 (Daphnia magna
(Water flea)): > 500 mg
Exposure time: 48 h

Toxicity to
algae
EC50 : > 500
mg/l
Exposure
time: 72 h

Toxicity to bacteria

EC50 (Pseudomonas putida): 880 mg/l
Exposure time: 17 h

15763-76-5 : Toxicity to fish :

LC50 (Cyprinus carpio
(Carp)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline
203

LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Test Method: static test

Toxicity to daphnia and
other aquatic invertebrates :

EC50 (Daphnia magna
(Water flea)): > 100 mg/l
Exposure time: 48 h
Test Method: static test
Method: OECD Test
Guideline 202

Toxicity to algae :

EC50 (Desmodesmus
subspicatus (green algae)):
> 100 mg/l
Exposure time: 72 h
Method: OECD Test
Guideline 201

EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
Exposure time: 96 h
Test Method: static test

Toxicity to bacteria :

see user defined free text
(see user defined free
text): > 1.000 mg/l
Exposure time: 3 h
Test Method: Respiration
inhibition
Method: OECD Test
Guideline 209



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12.2 Persistence and degradability

Components:

BUTOXYDIGLY :	Result: Readily biodegradable.
COL :	Biodegradation: 76 %
Biodegradability	Exposure time: 28 d
	Method: OECD 301 D

Result: rapidly biodegradable
Biodegradation: 90 - 100 %
Exposure time: 8 d

Method: OECD 302

B

Result: rapidly biodegradable
Biodegradation: 90 - 100 %

Exposure time: 14 d

Method: OECD 301

E

15763-76-5 :

Biodegradability aerobic

Result: Readily biodegradable.

Biodegradation: > 60 %

Exposure time: 28 d

Method: OECD 301 B



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12.3 Bioaccumulative potential

Components:

BUTOXYDIGLYCOL :	:	Bioconcentration factor (BCF):
Bioaccumulation		2
Partition coefficient: n-octanol/water	:	log Pow: 0,56
PHENOXYETHANOL :	:	Bioconcentration factor (BCF):
Bioaccumulation		2
Partition coefficient: n-octanol/water		

12.4 Mobility in soil

Components:

BUTOXYDIGLYCOL :	Koc: ca. 50,
COL :	Highly mobile in
Distribution	soils
among	
environmental	
compartments	
PHENOXYETHANOL :	Koc: 16 - 102,
NOL :	Highly mobile in
Distribution	soils
among	
environmental	
compartments	

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

Product:

Additional ecological information: There is no data available for this product.

13. DISPOSAL CONSIDERATIONS



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13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

14.1 UN number

ADR
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.2 Proper shipping name

ADR
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.3 Transport hazard class

ADR
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.4 Packing group

ADR
Not dangerous goods
IMDG
Not dangerous goods



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IATA
Not dangerous goods

14.5 Environmental hazards

ADR
Not dangerous goods
IMDG
Not dangerous
IATA

Not dangerous goods

14.6 Special precautions for user

For personal protection see section 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data

15. REGULATORY INFORMATION

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

Major Accident Hazard : Update: 2003
Directive 96/82/EC
Legislation 96/82/EC
C does not apply

Volatile organic compounds (VOC) content : not applicable

Volatile organic compounds (VOC) content : Percent volatile:
2,7 %
221,02 g/l

Volatile organic compounds (VOC) content : Percent volatile:
2,7 %
27,01 g/l
VOC content
excluding water
valid only for
coating



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materials used
on wood
surfaces

15.2 Chemical Safety Assessment

16. OTHER INFORMATION

Full test of R-Phrases

Acute Tox.	Acute toxicity
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
R22	Harmful if swallowed.
R36	Irritating to eyes.
Acute Tox.	Acute toxicity
Eye Dam.	Serious eye damage

Full text of H-Statements

H302	Harmful if swallowed.
H319	Causes serious eye irritation.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text..