



USP-200

Version 1.0

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

1.1 Product identifier

Trade name : USP-200

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

Use of the Sub-
stance/Mixture : Additive
Construction auxiliary
Industrial use

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier

Urban Surface Protection
Ltd
Daisy Dene,
Inglewhite Road,
Preston,
PR3 2EB
United Kingdom
Tel.: +44(0)1772-780873
info@urbansurfaceprotection.co.uk

1.4 Emergency telephone number

**Emergency telephone
number** : 07701308748



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2

H315: Causes skin irritation.

Serious eye damage, Category 1

H318: Causes serious eye damage.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

:



Signal word

: Danger

Hazard statements

: H315
H318

Causes skin irritation.

Causes serious eye damage.

Precautionary statements

: **Prevention:**

P264

Wash skin thoroughly after handling.

P280

Wear eye protection/ face protection.

P280

Wear protective gloves.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P332 + P313

If skin irritation occurs: Get medical advice/ attention.

P362 + P364

Take off contaminated clothing and wash it before reuse.

Hazardous components which must be listed on the label:

Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture consisting of the following components with additives:

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
triethoxyoctylsilane	2943-75-1 220-941-2	Skin Irrit.2; H315	>= 50 - < 70
Siloxanes and Silicones, 3- [(2-aminoethyl)amino]propyl Me, di-Me	71750-79-3 Polymer	Skin Irrit.2; H315 Eye Dam.1; H318	>= 3 - < 5
Isotridecanol, ethoxylated	69011-36-5 Polymer	Eye Dam.1; H318	>= 1 - < 3
triethoxyisooctylsilane	127687-56-3	Skin Irrit.2; H315 Eye Irrit.2; H319	>= 1 - < 3
Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides	68424-85-1 270-325-2	Acute Tox.4; H302 Skin Corr.1B; H314 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic1; H410	< 0,1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Take off all contaminated clothing immediately.
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Call a physician immediately.



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

If swallowed : Rinse mouth with water.
Do NOT induce vomiting.
Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Risks : Refer to section 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂)
Water spray jet
Dry powder
Foam

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Hazardous decomposition products formed under fire conditions.
Can be released in case of fire:
Carbon oxides
Silica

5.3 Advice for firefighters

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

Further information : In case of fire do not inhale smoke, conflagration gases and steams.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

Remove all sources of ignition.
Contaminated surfaces will be extremely slippery.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
Pay attention to local or official regulations.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Clean contaminated surface thoroughly.
Dispose of in accordance with local regulations.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Remove all sources of ignition.
Avoid formation of aerosol.
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.
Keep container closed when not in use.

Advice on protection against fire and explosion : Vapours are heavier than air and may spread along floors.
Vapours may form explosive mixture with air.
Keep away from heat and sources of ignition.

Hygiene measures : Avoid contact with skin, eyes and clothing.
Do not breathe vapours, aerosols.
Take off all contaminated clothing immediately.
Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Do always store in containers which correspond to the original ones.
Keep container tightly closed.

Further information on storage conditions : Protect from frost.
Protect from temperatures over + 40 °C.

Advice on common storage : Do not store together with:
Oxidizing agents



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

Keep away from combustible materials.

Storage class (TRGS 510) : 10, Combustible liquids

7.3 Specific end use(s)

Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Solids with occupational exposure limits in liquid preparations do not cause an exposure in the workplace, because they are not present in a respirable form. Exposure can occur in the form of aerosols or after drying of the liquid the solids remain, possibly in a finely dispersed form. Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Eye protection : Safety glasses

Hand protection

Material : Nitrile rubber

Break through time : > 480 min

Glove thickness : > 0,35 mm

Protective index : Class 6

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
The obtained break through times according to EN 374 Part III are not measured under normal operating conditions. Therefore a maximum usage time of 50% of the break through time is recommended.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case the work place is not ventilated sufficiently and during spray processing, it is necessary to wear respiratory protective equipment.
Recommended Filter type:
Combination filter A/P



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: paste
Colour	: white
Odour	: characteristic
pH	: 7 - 9, Concentration: 100 g/l (20 °C)
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: Not applicable
Upper explosion limit	: Product is not explosive. However, formation of explosive air/steam mixtures is possible.
Lower explosion limit	: Product is not explosive. However, formation of explosive air/steam mixtures is possible.
Vapour pressure	: No data available
Vapour density	: Not applicable
Density	: 0,85 - 0,95 g/cm ³
Water solubility	: miscible
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: not auto-flammable
Viscosity, dynamic	: 28.740 - 43.120 mPa.s (20 °C) Brookfield RVT spindle 7
Oxidizing properties	: Not applicable

9.2 Other information

Conductivity	: Not determined
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SECTION 10: Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Not applicable

10.5 Incompatible materials

Materials to avoid : Not applicable

10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : Based on available data, the classification criteria are not met.

Acute inhalation toxicity : Based on available data, the classification criteria are not met.

Acute dermal toxicity : Based on available data, the classification criteria are not met.

Components:

triethoxyoctylsilane:

Acute oral toxicity : LD50 Rat: > 5.000 mg/kg
Method: OECD Test Guideline 401

Isotridecanol, ethoxylated:

Acute oral toxicity : LD50 Rat: > 2.000 mg/kg
value stated in literature

Acute dermal toxicity : LD50 Rat: > 2.000 mg/kg
value stated in literature

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

Acute oral toxicity : LD50 Rat: ca. 344 mg/kg

Acute dermal toxicity : LD50 Rabbit: ca. 3.340 mg/kg

Skin corrosion/irritation

Product:

Causes skin irritation.

Components:

triethoxyoctylsilane:

Species: Rabbit

Result: Irritating to skin.

Method: OECD Test Guideline 404

Isotridecanol, ethoxylated:

Species: Rabbit

Result: Mild skin irritation

Method: OECD Test Guideline 404
value stated in literature

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Species: Rabbit

Exposure time: 24 h

Result: Corrosive

Method: DOT

Serious eye damage/eye irritation

Product:

Causes serious eye damage.

Components:

Isotridecanol, ethoxylated:

Species: Rabbit

Result: Risk of serious damage to eyes.

Method: OECD Test Guideline 405
value stated in literature

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Species: Rabbit

Result: Corrosive

Method: DOT

Respiratory or skin sensitisation



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

Product:

No known sensitising effect.

Components:

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Test Method: Buehler Test

Exposure routes: Skin contact

Species: Guinea pig

Result: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment : Based on available data, the classification criteria are not met.

Components:

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Genotoxicity in vitro : Test Type Ames test

Test species: Salmonella typhimurium

Method: OECD Test Guideline 471

Result: negative

: Test Type Chromosome aberration test in vitro

Test species: Human lymphocytes

Method: OECD Test Guideline 473

Result: negative

Carcinogenicity

Product:

Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

STOT - single exposure

Product:

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

STOT - repeated exposure



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

Product:

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

Aspiration toxicity

Product:

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

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : No data is available on the product itself.

Toxicity to daphnia and other aquatic invertebrates : No data is available on the product itself.

Toxicity to algae : No data is available on the product itself.

Toxicity to bacteria :
No data is available on the product itself.

Components:

Isotridecanol, ethoxylated:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 1 - 10 mg/l
Exposure time: 96 h
value stated in literature

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l
Exposure time: 48 h
value stated in literature

Toxicity to algae : EC50 : > 1 - 10 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 0,28 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,016 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: OECD Test Guideline 202



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

Toxicity to algae	: ErC50 (Pseudokirchneriella subcapitata (green algae)): 0,049 mg/l Exposure time: 72 h Test Type: Cell multiplication inhibition test Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	: 10
Toxicity to fish (Chronic toxicity)	: NOEC: 0,032 mg/l Exposure time: 34 d Species: Pimephales promelas (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 0,0042 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)
M-Factor (Chronic aquatic toxicity)	: 1

12.2 Persistence and degradability

Product:

Biodegradability	: No data is available on the product itself.
Physico-chemical removability	: The elimination in a sewerage purification plant is effected by means of biological decomposition as well as abiotic processes such as e.g. flocculation and precipitation, sedimentation, adsorption to the activated sludge and mechanical separation.

Components:

Isotridecanol, ethoxylated:

Biodegradability	: Test Type: CO2 measuring Result: Readily biodegradable Biodegradation: > 60 % Exposure time: 28 d Method: OECD 301 B (mineralisation)
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Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Biodegradability	: Test Type: O2 measuring Result: Readily biodegradable Biodegradation: > 60 % Method: OECD 301 F (mineralisation)
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12.3 Bioaccumulative potential

Product:

Bioaccumulation	: No data is available on the product itself.
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USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

12.4 Mobility in soil

Product:

Mobility : No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Adsorbed organic bound halogens (AOX) : The product does not increase the AOX-value of the waste water.

Additional ecological information : According to our knowledge, the product does not contain heavy metals and other compounds of EC directive 2000/60 EC.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Pay attention to local or official regulations.

Contaminated packaging : Pay attention to local or official regulations.

SECTION 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



USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

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

14.4 Packing group

ADR : Not dangerous goods
IMDG : Not dangerous goods
Segregation group : -
IATA : Not dangerous goods

14.5 Environmental hazards

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

14.6 Special precautions for user

Remarks : see chapter 6 - 8

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

Remarks : Not applicable

SECTION 15: Regulatory information

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

Components according to Detergents Regulation EC 648/2004 : This product is not subject to the Regulation on Detergents.

15.2 Chemical Safety Assessment

not required

SECTION 16: Other information

Full text of H-Statements

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.

Full text of other abbreviations



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

USP-200

Version 1.0

Revision Date 06.05.2018

Print Date 06.05.2018

Acute Tox.	: Acute toxicity
Aquatic Acute	: Acute aquatic toxicity
Aquatic Chronic	: Chronic aquatic toxicity
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Skin Corr.	: Skin corrosion
Skin Irrit.	: Skin 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.

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