



SOVEREIGN DENTOLITE STERILISING SOLUTION CONCENTRATE

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

- A. Product Name **Dentolite Sterilising Solution – Concentrate HSE No. 6354**
- B. Supplier Sovereign Chemicals Limited
Park Road
Barrow-in-Furness
Cumbria. LA14 4EQ
- C. Emergency Tel. No. 01229 870800 – Office hours
01785 272650 – Out of hours
Email – MSDS@sovchem.co.uk
- D. Appearance Straw coloured liquid
- E. Odour Slight

2. HAZARDS IDENTIFICATION

Irritating to skin. Harmful if swallowed. Risk of serious damage to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Key to proportions High 61-100%, Med 11-60%, Low 1-10%, Very Low <1%
Key to identification: A = Chip Index No, B = EEC No, C = CAS No.

Component	Classification R-Phrases	Proportions	Exposure Levels (8hr TWA)	Identification
BENZALKONIUM CHLORIDE	C – R34 R21/22 N – R50	MED	NOT ASSIGNED	61789-71-7(C)

4. FIRST AID MEASURES

- EYES** Rinse immediately with plenty of water for at least 15 minutes and seek medical attention - even if there are no immediate symptoms.
- SKIN** Remove all contaminated clothing and wash affected areas with soap and water. If irritation occurs consult a doctor. Launder all contaminated clothing before re-use.
- INGESTION** Do not induce vomiting. Give large quantities of milk or egg white to drink if available, otherwise water. Seek medical attention.
- INHALATION** Under normal conditions of use this product does not constitute a hazard. If irritation does occur remove patient to fresh air, keep warm and at rest.

Medical Practitioners may obtain further information from the National Poisons Information Centre.

5. FIRE FIGHTING MEASURES

Material is water based and non combustible. Use extinguisher appropriate to source. Harmful vapours may be given off if heated in a fire.

6. ACCIDENTAL RELEASE MEASURES

Prevent material from entering sewers and water courses. Absorb on to sand, dry earth, etc. and place in suitable container to await disposal (see 13). If material enters waterways inform appropriate authorities.

7. HANDLING AND STORAGE

Protect from frost. Keep in original container, tightly closed, in a safe place. Keep out of reach of children and away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

This product is supplied as a concentrate and should be diluted 1 part with 19 parts water before use. For use only as a surface biocide.

When using do not eat, drink or smoke.

Cover water storage tanks before application.

Wear suitable protective clothing, namely coveralls and synthetic rubber/PVC gloves when handling and eye protection when diluting, spraying or risk of splashing.

When spraying the diluted material internally, all lighting equipment should be suitable for use in a watermist environment. **DO NOT BREATHE SPRAY MIST.** Otherwise wear respiratory protective equipment, eye protection (see HSE Guide Booklet HS (G) 53 : "Respiratory Protective Equipment – a practical guide for users).

Launder overalls regularly and take off immediately all heavily contaminated clothing.

Avoid all contact with eyes.

Take off all contaminated clothing immediately.

Wash splashes from skin and eyes immediately.

Wash hands and exposed skin before meals and after use.

If you feel unwell or if swallowed seek medical advice (show label where possible).

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply in the use of this product at work.

Engineering control operator exposure must be used where reasonably practicable in addition to the following items of personal protection. (Engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection).

Do not contaminate foodstuffs, eating utensils or food contact surfaces.

Ensure there is a physical barrier to prevent contact by unprotected persons and animals until the treated surfaces are dry.

Keep away from heated surfaces until dry.

9. PHYSICAL AND CHEMICAL PROPERTIES

	Conc.	Diluted to Use
ACTIVE CONSTITUENTS	15%	0.75%
SPECIFIC GRAVITY	0.98	1.0
pH	5-8	7-8
BOILING POINT	100°C (water)	100°C (water)
SOLUBILITY IN WATER	Miscible	Miscible

10. STABILITY AND REACTIVITY

Contains a low percentage of chloride which may react with stainless steel.

11. TOXICOLOGICAL INFORMATION

INHALATION Little or no hazard, but inhalation of spray is an irritant to mouth and throat and can cause nausea, redness and irritation of nose, throat and lungs. Irritation of the mucous.

INGESTION Irritating to mouth, throat and digestive tract. Vomiting. Abdominal pain. Aspiration into lungs can cause narcosis and pulmonary oedema.

SKIN Redness of the site of contact, possibly with itching.

EYES Redness of the eyes with severe irritation and watering.

12. ECOLOGICAL INFORMATION

Remove or cover fish tanks and bowls before application. Dangerous to fish and other aquatic life. Do not contaminate ponds, waterways, ditches or ground with chemical or used container. Prevent any surface run off from entering drains. Avoid all contact with plant life.

13. DISPOSAL CONSIDERATIONS

Dispose of material and/or container in a safe way, in accordance with Local Authority Regulations. Use only licensed waste hauliers and disposal contractors. Duty of care waste transfer from site should specify quaternary ammonium biocide.

14. TRANSPORT INFORMATION

Not classified as dangerous for conveyance by road or sea.

15. REGULATORY INFORMATION

This product is approved under and labelled in accordance with the Control of Pesticides Regulations 1986 for use as directed. HSE No. 6354. In case of accidents or if you feel unwell, seek medical advice (show label if possible). Read and abide by the statutory conditions of use of this product as detailed on the container/label.



CORROSIVE

RISK

PHRASES: R34 Causes burns

SAFETY

PHRASES: S1/2 Keep locked up and out of reach of children.
S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin wash immediately with plenty of soap and water.
S36/37/39 Wear suitable protective clothing, goggles and eye/face protection.
S45 In case of accident or if you feel unwell seek medical advice immediately (show label if possible).

DILUTED (19:1) PRODUCT IS NOT CLASSIFIED

16. OTHER INFORMATION

EH40 Occupational Exposure Limits.
HS(G)97 A Step By Step Guide to C.O.S.H.H. Assessment.
The Chemicals (Hazard Information & Packaging for Supply) Regulations.
Approved Supply and Carriage Lists.

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not be construed therefore as guaranteeing specific properties.

This Safety Data Sheet Issue 3 replaces Issue 2 following review.

Risk Phrases used in Section 3

R21/22 Harmful in contact with skin and if swallowed
R34 Causes burns
R50 Very toxic to aquatic organisms



DENTOLITE STERILISING SOLUTION (DILUTED READY FOR USE)

SDS 271
ISSUE 1
FEBRUARY 2012

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

- A. Product Name **Dentolite Sterilising Solution – Diluted Ready For Use**
HSE No. 6354
- B. Supplier Sovereign Chemicals
Park Road
Barrow-in-Furness
Cumbria
LA14 4EQ
- C. Emergency Tel. No. 01785 272650 – (Out of hours)
01229 870800 – (Office hours)
Email – MSDS@sovchem.co.uk
- D. Appearance Clear liquid
- E. Odour Very slight

2. HAZARDS IDENTIFICATION

Not classified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Key to proportions High 61-100%, Med 11-60%, Low 1-10%, Very Low <1%
Key to identification: A = Chip Index No, B = EEC No, C = CAS No.

Component	Classification R-Phrases	Proportions	Exposure Levels (8hr TWA)	Identification
BENZALKONIUM CHLORIDE	R21/22 R34 R50	VERY LOW	NOT ASSIGNED	61789-71-7 (C)

4. FIRST AID MEASURES

- EYES Rinse immediately with plenty of water for at least 15 minutes and seek medical attention – even if there are no immediate symptoms.
- SKIN Remove all contaminated clothing and wash affected areas with soap and water. If irritation occurs consult a doctor. Launder all contaminated clothing before re-use.
- INGESTION Do not induce vomiting. Give large quantities of milk or egg white to drink if available, otherwise water. Seek medical attention..
- INHALATION Under normal conditions of use this product does not constitute an hazard. If irritation does occur, remove patient to fresh air, keep warm and at rest.

MEDICAL Practitioners may obtain further information from the National Poisons Information Centre.

5. FIRE FIGHTING MEASURES

Material is water based and non combustible. Use extinguisher appropriate to source. Harmful vapours may be given off if heated in a fire.

6. ACCIDENTAL RELEASE MEASURES

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7. HANDLING AND STORAGE

Protect from frost. Keep in original container, tightly closed, in a safe place. Keep out of reach of children and away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

For use only as a surface biocide.

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply the use of this product at work.

This material and its container must be disposed of in a safe way.

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.

KEEP AWAY FROM TREATED SURFACES UNTIL DRY

FOR INDOOR USE ONLY

WASH HANDS AND EXPOSED SKIN before meals and after use.

KEEP IN A SAFE PLACE

EYES: Wear approved safety goggles

HANDS, FACE, BODY: If handling in bulk, wear suitable coveralls and impervious gloves to avoid skin contact.

RESPIRATORY: No specific recommendations made. However, respiratory protection may still be required in exceptional circumstances where excessive air contamination exists.



Engineering control operator exposure must be used where reasonably practicable in addition to the following items of personal protection. (Engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection).

9. PHYSICAL AND CHEMICAL PROPERTIES

Active Constituents	0.75% w/w
Specific Gravity	1.0
pH	6 - 8
Boiling Point	100°C (water)
Solubility in water	Miscible

10. STABILITY AND REACTIVITY

None in normal use.

11. TOXICOLOGICAL INFORMATION

INHALATION Little or no hazard, but inhalation of spray is an irritant to mouth and throat and can cause nausea, redness and irritation of nose, throat and lungs. Irritation of the mucous.

INGESTION Irritating to mouth, throat and digestive tract. Vomiting. Abdominal pain. Aspiration into lungs can cause narcosis and pulmonary oedema.

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14. TRANSPORT INFORMATION

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15. REGULATORY INFORMATION

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Read all precautions before use

Users must comply in full with all their legal responsibilities under the Control of Pesticide Regulations 1986 (as amended), including complying with all Conditions of Approval.

16. OTHER INFORMATION

EH40 occupational Exposure Limits.
HS(G)97 A Step by Step Guide to C.O.S.H.H. Assessment.
The Chemicals (Hazard Information & Packaging for Supply) Regulations.
Approved supply and carriage lists.

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Risk Phrases used in Section 3

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R34	Causes burns
R50	Very toxic to aquatic organisms

This Data Sheet Issue 4 replaces Issue 3 following reformulation.