



Material and Safety Data Sheet

ISSUED
05 August '09

1. Material, preparation and company identification

Trade Name: SafeSol1
Supplier: SafeSol Limited
51 Mount Stuart Road
Rothesay
Isle of Bute PA20 9EB
Emergency Telephone: 01700 500623

2. Composition/Information on ingredients

The product is not hazardous but contains hazardous components

Substance Name	Contents	Cas	EC No	Index No	Classification
Hydrogen Peroxide	1%	7722-84-1	31-765-0	008-003-00-9	R8,R5,Xn;R20/22,c R35
Silver	0.016g/1				

3. Hazards Identification

Risk Phrases	Corrosive to eyes, respiratory system ,skin
Primary Route of Exposure	Eye contact, Skin contact
Skin contact	Redness ,pain (skin will initially whiten)
Eye contact	Redness, pain
Ingestion	Burning sensation ,may cause burns or irritation of the linings of the mouth, throat and gastrointestinal tract
Inhalation	Avoid creating mist as mist will induce coughing and perhaps throat and chest soreness

4. First Aid Action

After skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if burns develop.
After eye contact	Rinse immediately with plenty of water. Seek medical attention immediately if pain, blinking or tears persist.
After Swallowing	Rinse mouth - do not induce vomiting

5. Action for Fire Prevention

Flammable class	Non Combustible
Suitable liquid	Powder extinguisher, water jet. Chemical will not burn, but will support combustion
Special protective clothing	In the event of a fire, wear full protective clothing and NIOSH approved self contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
Explosion	Not considered an explosion hazard

6. Action During Unintentional Release

Clean up method	Flush with plenty of water
Environmental Safety Requirements	Dilute with water
After swallowing	Rinse mouth. Do not induce vomiting

7. Handling and Storage

Precautions in storage	Avoid all unnecessary exposure. Keep the container tightly closed.
Storage	Store in cool well ventilated place
Instructions for Safe Handling	Ensure prompt removal from skin eyes or clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking or leaving work.

8. Exposure limitation and personal protective outfit

NOTE: We advise a minimum of eye protection and gloves as good practice when handling any chemicals

Protection for skin	No special clothing/skin protection recommended under normal conditions of use. SafeSol DD1 is not irritating or sensitizing to skin or eyes. There is no requirement to wear any personal protection when handling or using this product.
Occupational Exposure limits	Hydrogen Peroxide TLV - TWA (ppm) :1

It is considered good practice to wear gloves and eye protection when handling any chemical product no matter how safe.

9. Physical and Chemical Properties

State	Liquid
Colour	Colourless
Odour	Non
Viscosity at 0°C	1.77mPa
pH	5
Melting Point	0.5°C
Boiling Point	101°C

The chemical does not have a flash point. The material will not explode but will support combustion

Density at 20°C	1.05 g/ cm ³
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10. Stability and Reactivity

Stability	Stable under ordinary conditions of use and storage
Hazardous Decomposition Products	None
Hazardous Polymerisation	Will not occur
Incompatibilities	Liberates explosive hydrogen gas when reacting with chlorides and stainless steel. Can react violently with sodium tetrahydroborate. Exothermic reactions with aldehydes, amines, amides, alcohols and glycols, azo-compounds, carbamates, esters, caustics, phenols and cresols, ketones, organophosphates, epoxides, explosives, combustible materials, unsaturated halides, and organic peroxides

Additional Information

The product is stabilised to reduce risk of decomposition due to contamination.

11. Toxicological Information

On Approval	No data available Approved for use in public water supplies
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12. Ecological Information

Ecological Effects Information	No specific risks to the environment
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13. Disposal Considerations

General	Dispose of in a safe manner in accordance with local/national regulations
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14. Transport

General Not classified

15. Regulatory Information

Symbol(s)	Non
R	Non
S	S2 Keep out of reach of children

16. Other Information

Text of R Phrases in Section 2	R5 Heating may cause an explosion R8 Contact with combustible material may cause a fire R20/22 Harmful by inhalation and ingestion R35 Causes severe burns
R	Non
S	S2 Keep out of reach of children

This MSDS was prepared by SafeSol Limited In strict accordance with information supplied by Roam Chemie bv

The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58EC

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Prepared 02/03/2006