Getinge
Stericool Sterilant Agent

SECTION 1: Identification of the substance/mixture and company

1.1 Product identifier

Product code:	ST240, ST030
Name:	Getinge Stericool Sterilant Agent

UFI FQY4-D0FU-T008-2AM0

1.2 Product uses

H_2O_2 sterilant (59.1%±0.5) for use in Stericool A-series H_2O_2 Plasma Sterilizers. For professional users only.

1.3 Supplier

Details of the supplier of the Safety Data Sheet.

Supplier:
Getinge Disinfection AB
Ljungadalsgatan 11
352 46 Växjö
SWEDEN
Phone: +46 (0) 10 335 98 00
Web: www.getinge.com
E-mail: info@getinge.com

Supplier New Zealand:
Getinge Australia (NZ Branch)
600 Great South Road
Building B, Level 2
Ellerslie, Auckland 1051
NEW ZEALAND
Phone: 0800 1 438 464

Supplier Australia:
Getinge Australia Pty Ltd
Suite 701, Level 7, 11 Help Street,
Chatswood, NSW 2067
Australia
Phone: 1800 438 464

1.4 Emergency telephone number

For emergency event of spillage, inhalation or ingestion of products, please contact the emergency hotline:

Europe: +44 1235 239670
Africa/South Africa: +27 21 300 2732
Middle East/Africa: +44 1235 239671
Asia/Pacific: +65 3165 2217
Australia: 18000 74234
New Zealand: 0800 446 881
Japan: 0120 015 230
China: 400 120 6011

SECTION 2: Hazards identification (undiluted product)

2.1 Classification of the substance or mixture

According to 1272/2008

Health hazards:	Eye Dam. 1 Acute Tox. 4 (Oral) Acute Tox. 4 (Inhalation – vapor) Skin Cor. 1B STOT-SE 3
Physical hazards:	Ox. Liq. 2
Environmental hazards:	Not classified.

2.2 Label elements

According to 1272/2008

Danger
Contains hydrogen peroxide

H314	Causes severe skin burns and eye damage.
H272	May intensify fire; oxidizer.
H302+H332	Harmful if swallowed or inhaled.
H335	May cause respiratory irritation.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep away from clothing and other combustible materials.
P261	Avoid breathing vapors/spray.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P370+P378	In case of fire: Use water to extinguish.
P405	Store locked up.

2.3 Other hazards

Product is a strong oxidizing agent. Release of oxygen may support combustion. Danger of decomposition under influence of heat. Risk of decomposition in contact with incompatible substances, impurities, metals, alkalis, reducing agents.

SECTION 3: Composition/information on ingredients

Material	CAS number	Level	EC No (where available)	EU REACH reg. no. (where available)	Hazards (see section 16)
Hydrogen peroxide	7722-84-1	58.6-59.6 % w/w	231-765-0	01-2119485845-22	Ox. Liq. 2, H272 Acute tox. 4 (Oral), H302 Acute tox. 4 (Inhalation -vapor), H332 Skin cor. 1B, H314 Eye Dam. 1, H318 STOT-SE 3, H335

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact:	Immediately flush eyes with water, holding eyelids apart, for at least 15 minutes. Remove contact lenses if present and easy to do so. Seek medical assistance immediately.
Skin contact:	Immediately remove contaminated clothing. Wash affected area immediately with water for at least 15 minutes. Seek medical attention immediately.
Inhalation:	If irritation occurs, remove to fresh air and seek medical attention immediately.
Ingestion:	Do NOT induce vomiting. Rinse mouth. If conscious, give large amounts of water to drink immediately. Seek medical assistance immediately.
First aider PPE:	As required to prevent contact. See section 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Eye hazard:	Causes severe burns.
Skin hazard:	Causes severe burns.
Respiratory hazard:	Breathing spray mist may cause irritation.
Other hazards:	-

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: Harmful by inhalation. Causes skin burns. Causes serious eye damage.

Treatment: Treat symptomatically.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray if appropriate for the fire.
Unsuitable extinguishing media: Organic compounds.

5.2 Special hazards arising from the substance or mixture

The product itself does not burn. In a fire, product may decompose yielding oxygen that may support combustion. Risk of overpressure and bursting containers due to decomposition. Contact with inflammable and organic substances might cause fire. During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Use self-contained breathing apparatus and chemical protective suit. Remove endangered containers to a safe place if safe to do so. Alternatively, cool endangered containers with water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take precautions to avoid contact. Use personal protective equipment as detailed in section 8.

Keep the area clear. Exclude sources of ignition. Provide ventilation and contain spillage. Absorb liquid using an inert mineral absorbent such as sand and transfer to suitable plastic containers for disposal. Observe regulations.

6.2 Environmental precautions

Prevent spills from entering water courses.

6.3 Methods and material for containment and cleaning up

Absorb liquid using an inert mineral absorbent such as sand and transfer to suitable plastic containers for disposal.

6.4 Reference to other sections

Observe the advice given in sections 8 and 13.

SECTION 7: Handling and storage

Shelf life:	240 ml - 12 months in original sealed containers. 30 days once punctured. 29.8 ml - 3 months in original sealed containers. 7 days once punctured.

7.1 Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Use personal protective equipment as appropriate to prevent contact. See section 8. Do not mix with other products.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store in a cool, dry, well-ventilated place away from direct sunlight. Store upright in original containers. Storage temperature 5–25°C. Do not store with alkalis, reducing agents, metallic salts, inflammable substances or organic solvents. Keep away from sources of ignition.

Transport: The product can withstand temperature of up to 40°C for the following durations:
240 ml - up to 3 months, 29.8ml - up to 14 days.

7.3 Product uses

H_2O_2 sterilant (59.1%±0.5) for use in Stericool A-series H_2O_2 Plasma Sterilizers. For professional users only.

SECTION 8: Exposure controls and personal protection

8.1 Control parameters

Workplace exposure limits:
Hydrogen peroxide, 1.4 mg/m3, WEL 8-hour TWA (EH40 UK)

8.2 Exposure controls

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection:	Wear eye protection appropriate to the process according to BS EN 166.
Hand protection:	Wear nitrile or latex gloves. Exact choice of glove depends on specific risk assessments.
Body protection:	As necessary to prevent contact.
Respiratory protection:	Use in a well-ventilated area. Avoid breathing spray mist. Wear a protective mask to EN149 if necessary (not required under normal use).
Other protection:	-
Personal protective equipment:	Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out. 
Environmental protection:	Prevent mixture from entering water courses. Do not mix with other products.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Colorless
Odor:	Mild, characteristic
pH:	<=3.5 as supplied
Initial boiling point:	> 100°C
Melting/ freezing point:	Approx. - 55°C
Flash point:	N/A
Auto-ignition temperature:	N/A
Flammability:	N/A
Decomposition temperature:	The substance or mixture is not classified self-reactive. SADT >65°C
Viscosity:	Free flowing
Explosive properties:	Not explosive
Upper and lower explosion limits:	N/A
Oxidizing properties:	The substance is classified as oxidizing category 2
Vapor pressure:	No data
Solubility:	Miscible with water
Relative density at 20°C:	1.24 g/ml
Relative vapor density:	No data

9.2 Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Product is an oxidizing agent and reactive. Decomposition hazard in case of heat exposure, contamination or contact with incompatible materials.

10.2 Chemical stability

Stable under recommended storage conditions in original packaging.

10.3 Possibility of hazardous reactions

Exposure to contamination, decomposition catalysts and incompatible/combustible substances may lead to accelerated, exothermic decomposition and the formation of oxygen. Release of oxygen may support combustion.

10.4 Conditions to avoid

High temperatures and direct sunlight.

10.5 Incompatible materials

Impurities, decomposition catalysts, metals, metal salts, alkaline substances, hydrochloric acid, reducing agents, inflammable substances, organic solvents.

10.6 Hazardous decomposition products

Thermal decomposition products are water and oxygen.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	Product is classified as Acute Tox. 4. See section 2.
Skin corrosion/irritation:	Product is classified as Skin Corr. 1B See section 2.
Serious eye damage/irritation:	Product is classified as Eye Dam. 1. See section 2.
Respiratory or skin sensitization:	Does not contain any ingredients classified as sensitizing.
Germ cell mutagenicity:	Does not contain any ingredients classified as mutagenic.
Carcinogenicity:	Does not contain any ingredients classified as carcinogenic.
Reproductive toxicity:	Does not contain any ingredients classified as toxic for reproduction.
STOT single exposure:	Product is classified as STOT-SE 3. See section 2.
STOT repeated exposure:	Does not contain any ingredients classified as STOT RE.
Aspiration toxicity:	Does not contain any ingredients classified as Asp Tox.

Routes of exposure/symptoms

Eye contact:	Causes severe burns.
Skin contact:	Causes severe burns.
Inhalation:	Breathing spray mist may cause irritation.
Ingestion:	Calculated acute toxicity (Oral) 801 mg/kg. Will cause irritation to gastro-intestinal tract.

11.2 Information on other hazards

No data

SECTION 12: Ecological information

12.1 Toxicity

Not classified as dangerous for the environment. All organic ingredients are biodegradable when well diluted.

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

Not expected to bioaccumulate. Hydrogen peroxide quickly decomposes to oxygen and water.

12.4 Mobility in soil

This product has high water solubility.

12.5 Results of PBT and vPvB assessment

Contains no ingredients classified as PBT or vPvB at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Contains no ingredients considered to have endocrine disrupting properties at levels of 0.1% or higher.

12.7 Other adverse effects

No other adverse effects are anticipated.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

No process effluent is generated during normal use.

Dispose of surplus product and packaging via a licensed chemical waste contractor.

Used bottles must be segregated from other waste and disposed of by a licensed chemical waste contractor.

SECTION 14: Transport information

14.1 UN number

ADR: 2014
RID: 2014
IMDG: 2014
IATA: 2014

14.2 UN proper shipping name

ADR: HYDROGEN PEROXIDE, AQUEOUS SOLUTION
RID: HYDROGEN PEROXIDE, AQUEOUS SOLUTION
IMDG: HYDROGEN PEROXIDE, AQUEOUS SOLUTION
IATA: HYDROGEN PEROXIDE, AQUEOUS SOLUTION

14.3 Transport hazard class(es)

ADR: 5.1
RID: 5.1
IMDG: 5.1
IATA: 5.1

14.4 Packing group

ADR
Packing group: II
Classification code: OC1
Hazard identification number: 58
Labels: 5.1 (8)
Tunnel restriction code: (E)

RID
Packing group: II
Classification code: OC1
Hazard identification number: 58
Labels: 5.1 (8)

IMDG
Packing group: II
Labels: 5.1 (8)
EmS code: F-H, S-Q

IATA
Packing group: II
Labels: 5.1 (8)
Remarks: Transport prohibited. Limited quantities of 5 x 29.8 ml can be transported by air in accordance with the provisions of A75.

14.5 Environmental hazards

ADR: Environmentally hazardous, no
RID: Environmentally hazardous, no
IMDG: Marine pollutant, no

14.6 Special precautions for user

IATA transport prohibited. Limited quantities of 29.8 ml can be transported by air in accordance with the provisions of A75.

14.7 Maritime transport in bulk according to IMO instruments

Not available for bulk transport.

SECTION 15: Regulatory information

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

None

SECTION 16: Other information

Hazard statements relating to ingredients (see section 3).

H314	Causes severe skin burns and eye damage.
H272	May intensify fire; oxidizer.
H302+H332	Harmful if swallowed or inhaled.
H335	May cause respiratory irritation.
H318	Causes serious eye damage.

Date of Issue:
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This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.