

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Endox A

Recommended Use: Endoscope Disinfection using an Automated Endoscope Reprocessor

Product Code: 160680 (Endox 2x5L)

Whiteley Corporation Pty Ltd

Postal Address: P. O. Box 1076 North Sydney NSW 2059

Telephone Number: (02) 9929 9155 Facsimile: (02) 9929 9077

Web: www.whiteley.com.au

Emergency Telephone Number: Poisons Information Centre (National) 131126

Distributed in New Zealand by:

Whiteley Corporation NZ Limited

Address: PO Box 22-519 Otahuhu, Auckland, New Zealand 1640

Telephone Number: 092737313, 0800 257 352

Emergency Telephone Number: New Zealand Poisons Centre 0800 POISON or 0800 764 766

Section 2: HAZARDS

GHS Classification

Oxidising Liquid (Category 2)

Metal Corrosion (Category 1)

Acute Toxicity (Category 4)

Skin Corrosion (Category 1B)

Specific Target Organ Toxicity – Single Exposure (Category 3)



Signal Word

DANGER

Hazard Statements

H272	May intensify fire; oxidizer
H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H332	Harmful if inhaled
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation

Precautionary Statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep away from clothing/combustible materials.
P221	Take any precaution to avoid mixing with combustibles.
P234	Keep only in original container.
P260	Avoid breathing mist/vapour/spray.

P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response Statements

P301 + P312 + P330 + P331	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P310	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor/physician.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use water or water spray for extinction.
P390	Absorb spillage to prevent material damage.

Storage Statements

P403 + P233 + P235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405	Store locked up.
P406	Store in original container only.
P410	Protect from sunlight.
P420	Store away from other materials.

Disposal Statements

P501	Dispose of container as per local regulations
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Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Hydrogen Peroxide	7722-84-1	10 – 30%
Acetic Acid	64-19-7	<10%
Peracetic Acid	79-21-0	<10%
Ingredients deemed not to be hazardous	Not applicable	To 100%

Section 4: FIRST AID**Eye (Contact)**

Call a physician or Poison Information Centre immediately. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine). Take victim immediately to hospital.

Skin (Contact)

Remove contaminated clothing and shoes immediately. Wash skin and hair with running water for at least 15 minutes. Call a physician or Poison Information Centre. Wash contaminated clothing before reuse.

Inhalation (Breathing)	Move to fresh air. Victim should lie down in the recovery position and keep warm. Oxygen may be administered by qualified personnel. Call a physician or Poison Information Centre.
Ingestion (Swallowing)	DO NOT induce vomiting. Rinse mouth with water if victim is conscious. Call a physician or Poisons Information Centre immediately. Take victim immediately to hospital.
Advice to Physician	Immediate medical attention is required. Consult with an ophthalmologist immediately in all cases of potential eye contact. If product has been ingested avoid gastric lavage due to risk of perforation. Keep under medical supervision for at least 48 hours.
First Aid Facilities	Ensure an eye wash and safety shower is available and ready for use.
Additional Information	No aggravated medical conditions are known to be caused by exposure to this product.

Section 5: FIREFIGHTING MEASURE

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment such as water or water spray. Dry chemical powder, foam or fog can also be used if appropriate.
Hazards From Combustion Products	Toxic and/or irritating fumes including carbon monoxide and carbon dioxide may be emitted.
Precautions For Fire Fighters and Special Protective Equipment	Keep containers cool by spraying with water. Oxygen released by thermal decomposition may support combustion. Self-contained breathing apparatus and chemical resistant over suit should be worn. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Additional Information	Hazchem Code – 2P.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide – Large volumes.
Spills / Clean up	Slippery when spilled. Personal protective equipment should be worn when cleaning up spills. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material, such as sand, vermiculite or other inert material. Carefully dispose of the inert material as Endox A is an oxidizing agent and may cause fire when in contact with incompatible materials. Prevent spill entering sewers or waterways. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling	Use only as directed on label. Any non-intended or non-authorised use of this product may result in personal injury or damage to equipment. Store product in original container. Do not add any materials to the container. Use only in a well ventilated area. Keep away from incompatible materials.
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Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.

Conditions for Safe Storage Store in a cool, dry, well ventilated area away from incompatible materials. Keep container tightly sealed.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

National Exposure Standards – Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
Hydrogen Peroxide	7722-84-1	1.4 mg/m ³	-
Acetic Acid	64-19-7	25 mg/m ³	37 mg/m ³

Biological Limit Values

No data available.

Engineering Controls

Use only in a well ventilated area.

Personal Protective Equipment



Eye/face protection – Safety glasses / face shield / chemical resistant goggles should be worn to prevent eye contact.

Skin protection – Use nitrile or suitable gloves to prevent skin contact. Double gloving should be practiced where surgical gloves are necessary. An apron should be worn during disposal. Enclosed shoes should also be worn to prevent skin contact.

Respiratory protection – Not required for normal use. A respirator may be required if there is not adequate ventilation. For spill control wear an AS1716 approved full face respirator with combined Type P2 particulate and organic vapour cartridges.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid	Odour	Pungent
Odour Threshold	No data available	pH	<2
Freezing Point	Approx. -42°C	Initial Boiling Point	Approx. 105°C
Boiling Range	No data available	Flash point	74 - 83°C
Evaporation Rate	No data available	Flammability	No data available
Upper flammability limit	No data available	Lower flammability limit	No data available
Vapour Pressure	32hPa (25°C)	Vapour Density	No data available
Relative Density	1.1	Solubility	Completely miscible with water
Partition Coefficient: n-octanol/water	No data available	Autoignition temperature	No data available
Decomposition temperature	60°C (Self-Accelerating Decomposition Temperature)	Viscosity	No data available

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Decomposes on heating. Heating may cause a fire. Potential for exothermic hazard.
Conditions to avoid	Avoid high temperatures (store below 25°C). Avoid contamination. Contact with incompatible materials may cause fire. Contact with flammables may cause fire or explosions. Fire or intense heat may cause violent rupture of packages.
Incompatible materials	Incompatible with acids, bases (alkalis), metals, heavy metal salts, powdered metal salts, reducing agents, organic materials and flammable materials.
Hazardous decomposition products	Oxygen.
Hazardous reactions	May react exothermically with incompatible materials.

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 >300 mg/kg (Oral, Rat) LC50 4080 mg/m ³ (inhalation, 4h, Rat) LD50 1147 mg/kg (dermal, Rabbit)
Skin corrosion/ irritation	Product causes irritation, pain and reddening on skin contact. Skin contact will likely result in a temporary white stain where skin contact occurred. Serious burns may result if the affected area if product is not removed immediately by thorough washing with water.

Serious eye damage/ irritation	Product causes irritation, pain and reddening on eye contact. Serious, permanent eye damage may result if not treated immediately.
Respiratory or skin sensitisation	No data available.
Germ Cell Mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
Specific Target Organ Toxicity – Single Exposure	May cause respiratory irritation.
Specific Target Organ Toxicity – Repeated Exposure	No data available.
Aspiration Hazard	No data available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal method	Dispose of waste in accordance with local and national regulations. Refer to State/Territory Land Waste Management Authorities if applicable. Contact your Whiteley representative for further advice. Once empty, containers are recyclable and can be disposed of by a licensed waste contractor if thoroughly rinsed with water, while wearing PPE. Rinsed containers can also be disposed of to general waste. Bottles containing a small amount of Endox A (<200mL) can be diluted with water and poured down the sink with copious amounts of cold running water.
Special precautions	None known.

Section 14: TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

UN Number	UN3149
UN Proper Shipping Name	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURES, STABILISED
Class and subsidiary risk	5.1 (8)
Packing Group	II
Special precautions for user	Not applicable.
Hazchem Code	2P

Section 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): Schedule 6 - Poison

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

This document has been produced in accordance with the requirements of the Globally Harmonised System of Classification and Labelling.

HSNO Group Standard Approval Code: HSR002591

Section 16: OTHER INFORMATION

Under no circumstances, mix Endox A with any other materials, except water when rinsing containers for disposal. PPE must be worn when rinsing bottles.

Do not combine any part full bottles of Endox A.

Do not add or return any product, including Endox A back to Endox A bottles.

Date of 5th May 2023
preparation:

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SAFETY DATA SHEET

Section 1: IDENTIFICATION

Endox B

Recommended Use: Endoscope Disinfection using an Automated Endoscope Reprocessor

Product Code: 160680 (Endox 2x5L)

Whiteley Corporation Pty Ltd

Postal Address: P. O. Box 1076 North Sydney NSW 2059

Telephone Number: (02) 9929 9155 Facsimile: (02) 9929 9077

Web: www.whiteley.com.au

Emergency Telephone Number: Poisons Information Centre (National) 131126

Distributed in New Zealand by:

Whiteley Corporation NZ Limited

Address: PO Box 22-519 Otahuhu, Auckland, New Zealand 1640

Telephone Number: 092737313, 0800 257 352

Emergency Telephone Number: New Zealand Poisons Centre 0800 POISON or 0800 764 766

Section 2: HAZARDS

GHS Classification

Eye Damage (Category 1)

Signal Word **DANGER**

Hazard Statements

H318	Causes serious eye damage
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Precautionary Statements

P280	Wear eye/face protection
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Response Statements

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

Storage Statements

None

Disposal Statements

None

Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Ingredients deemed not to be hazardous	Not applicable	To 100%
Tripotassium Phosphate	7778-53-2	<10%

Section 4: FIRST AID

Eye (Contact)	Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
Skin (Contact)	Remove contaminated clothing and flush skin and hair with running water. Seek medical attention if irritation develops or persists.
Inhalation(Breathing)	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms persist seek medical attention.
Ingestion (Swallowing)	DO NOT induce vomiting. For advice, contact a Poisons Information Centre or a doctor.
Advice to Doctor	
First Aid Facilities	Ensure an eye bath is available and ready for use.
Additional Information	None known

Section 5: FIREFIGHTING MEASURE

Suitable Extinguishing Media	Not combustible but may burn on evaporation of water. Use extinguishing media suited to the materials that are burning. e.g. Dry chemical, CO ₂ or water spray.
Hazards From Combustion Products	Carbon dioxide and carbon monoxide may be produced in the case of fire or during thermal decomposition.
Precautions For Fire Fighters and Special Protective Equipment	Firefighters must wear full protective clothing including self-contained breathing apparatus and chemical splash suit. Ensure that no spillage enters drains or water courses. Remove from the vicinity containers not involved in the fire.
Additional Information	Hazchem Code – Nil

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide – Not applicable.
Spills / Clean up	Clean up personnel should wear full protective clothing. Restrict access until completion of clean up. Then ensure adequate ventilation. Stop leak if safe to do so. Contain spill with absorbent material, such as toweling, sand, vermiculite or other inert material. Prevent spill entering storm water drains or waterways. Collect and dispose of clean up material according to local regulations. Wash away remnants with copious amounts of cold water to sewer. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling	Use only as directed on label.
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Any non-intended or non-authorised use of this product may result in personal injury or damage to equipment.
Store product in original container.
Wash thoroughly after handling product.

Conditions for Safe Storage Store in a cool, dry, well ventilated area. Keep container tightly sealed. Store below 30°C.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

National Exposure Standards – Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

Ingredient

CAS No

ES-TWA

ES-STEL

Not Applicable

Biological Limit Values No data available.

Engineering Controls Use in a well ventilated area. Avoid production of aerosols.

Personal Protective Equipment



Eye/face protection – Safety glasses / face shield / chemical resistant goggles should be worn to prevent eye contact.

Skin protection – Use nitrile or suitable gloves to prevent skin contact. Double gloving should be practiced where surgical gloves are necessary. An apron should be worn during disposal. Enclosed shoes should also be worn to prevent skin contact.

Respiratory protection – Not required for normal use. A respirator may be required if there is not adequate ventilation. For spill control wear an AS1716 approved full face respirator with combined Type P1 particulate and organic vapour cartridges.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid	Odour	Mild
Odour Threshold	No data available	pH	>11.5
Freezing Point	Approx. 0°C	Initial Boiling Point	Approx. 100°C
Boiling Range	No data available	Flash point	No data available
Evaporation Rate	No data available	Flammability	No data available
Upper flammability limit	No data available	Lower flammability limit	No data available
Vapour Pressure	No data available	Vapour Density	No data available
Relative Density	1.1	Solubility	Completely miscible with water
Partition Coefficient: n-octanol/water	No data available	Autoignition temperature	No data available
Decomposition temperature	No data available	Viscosity	Approx. 10 cPs

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Product is stable and will not undergo any hazardous reactions under normal conditions of use and storage.
Conditions to avoid	None known.
Incompatible materials	Incompatible with aluminium, tin, zinc, magnesium and their alloys. Also incompatible with acid, fertilizers, chlorinating compounds, brominated compounds and nitrated hydrocarbons.
Hazardous decomposition products	None known.
Hazardous reactions	May react with aluminium, tin and zinc to produce flammable hydrogen gas.

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity	No data available.
Skin corrosion/ irritation	No data available
Serious eye damage/ irritation	Product causes irritation, pain and reddening on eye contact. Serious, permanent eye damage may result if not treated immediately.
Respiratory or skin sensitisation	No data available

Germ Cell Mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
Specific Target Organ	No data available.
Toxicity – Single Exposure	
Specific Target Organ	No data available.
Toxicity – Repeated Exposure	
Aspiration Hazard	No data available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal method	Disposal to sewer is normally recommended with copious amounts of water. Refer to State/Territory Land Waste Management Authorities if applicable. Containers are recyclable and can be disposed of by a licensed waste contractor. Containers can be disposed of to general waste or rinsed thoroughly and recycled.
Special precautions	Suitable for incineration by approved agent.

Section 14: TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

UN Number	Not applicable.
UN Proper Shipping Name	Not applicable.
Class and subsidiary risk	Not applicable.
Packing Group	Not applicable.
Special precautions for user	Not applicable.
Hazchem Code	Not applicable.

Section 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): schedule 5 - CAUTION.

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

This document has been produced in accordance with the requirements of the Globally Harmonised System of Classification and Labelling.

HSNO Group Standard Approval Code: HSR002530

Section 16: OTHER INFORMATION

Date of 5th May 2023
preparation:

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