



# MATERIAL SAFETY DATA SHEET

Product Name: Sanosil S010

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This revision issued: September, 2012

## Section 1 - Identification of Chemical Product and Company

### Company Name & Address

Cyndan Chemicals  
1/7 Jubilee Ave  
Warriewood NSW 2102

Telephone: (02) 9998 5688 (Office hours)

Email: [info@cyndan.com.au](mailto:info@cyndan.com.au)

Web: [www.cyndan.com.au](http://www.cyndan.com.au)

**Substance:** Hydrogen Peroxide (4% to 6%)  
**Trade Name:** Sanosil S010  
**Product Use:** Sanitiser  
**Creation Date:** July, 2012  
**This version issued:** September, 2012 and is valid for 5 years from this date.

## Section 2 - Hazards Identification

**CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA**

### **RISK PHRASES**

R36/38 Irritating to eyes and skin.

### **SAFETY PHRASES**

S1/2 Keep locked up and out of reach of children.  
S17 Keep away from combustible material.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

**UN Number** None Allocated  
**Packing Group** None Allocated  
**Hazchem Code** None Allocated  
**DG Class** None Allocated  
**Subsidiary Risk(s)** None Allocated

## Section 3 - Composition/Information on Ingredients

Ingredient	Identification	Classification	Content
HYDROGEN PEROXIDE	CAS: 7722-84-1 EC: 231-765-0	Xn;R20/22 C;R35 E;R5 O;R8	4 - 6%
SILVER NITRATE	CAS: 7761-88-8 EC: 231-853-9	C;R34 O;R8 N;R50/53	<0.1%
WATER	CAS: 7732-18-5 EC: 231-791-2	Not Available	94 - 96%

## Section 4 - First Aid Measures

Eye	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
Advice to Doctor	Treat symptomatically.
First Aid Facilities	Eye wash facilities should be available.

## Section 5 - Fire Fighting Measures

Flammability	Oxidising agent - supports combustion. May evolve toxic gases when heated to decomposition. May ignite in contact with incompatible materials.
Fire and Explosion	Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing	Prevent contamination of drains or waterways.
Hazchem Code	None Allocated

## Section 6 - Accidental Release Measures

Spillage	Use personal protective equipment. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. CAUTION: Spill site may be slippery.
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## Section 7 - Handling and Storage

Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.
Storage	Store in a cool, dry, well ventilated area, preferably outdoor or detached, removed from direct sunlight, reducing agents, acids, alkalis, combustible materials and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.

## Section 8 - Exposure Controls and Personal Protection

### Exposure Standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Hydrogen peroxide	SWA (AUS)	1	1.4	--	--
Silver, soluble compounds (as Ag)	SWA (AUS)	--	0.01	--	--

Biological Limits	No Biological Limit Value allocated.
Engineering Controls	Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

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## PPE

<b>Eye/Face</b>	Wear splash-proof goggles.
<b>Hands</b>	Wear PVC or rubber gloves.
<b>Body</b>	When using large quantities or where heavy contamination is likely, wear coveralls.
<b>Respiratory</b>	Not required under normal conditions of use.



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## Section 9 - Physical and Chemical Properties:

<b>Appearance</b>	CLEAR COLOURLESS LIQUID (500ML, 5L, 10L AND 25L CONTAINERS)
<b>Odour</b>	ODOURLESS
<b>Flammability</b>	NON FLAMMABLE
<b>Flash point</b>	NOT RELEVANT
<b>Boiling point</b>	100°C
<b>Melting point</b>	NOT AVAILABLE
<b>Evaporation rate</b>	AS FOR WATER
<b>pH</b>	6.8 to 7.0
<b>Vapour density</b>	NOT AVAILABLE
<b>Specific gravity</b>	1 (Approximately)
<b>Solubility (water)</b>	SOLUBLE
<b>Vapour pressure</b>	18 mm Hg @ 20°C
<b>Upper explosion limit</b>	NOT RELEVANT
<b>Lower explosion limit</b>	NOT RELEVANT
<b>Autoignition temperature</b>	NOT AVAILABLE
<b>Decomposition temperature</b>	NOT AVAILABLE
<b>Viscosity</b>	NOT AVAILABLE
<b>Partition coefficient</b>	NOT AVAILABLE
<b>% Volatiles</b>	> 60 % (Water)

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## Section 10 - Stability and Reactivity

<b>Chemical Stability</b>	Stable under recommended conditions of storage.
<b>Conditions to Avoid</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>Material to Avoid</b>	Oxidising agent. Incompatible with combustible materials, reducing agents (eg. amines), acids (eg. nitric acid), alkalis (eg. hydroxides), metals, heat and ignition sources.
<b>Hazardous Decomposition Products</b>	May evolve toxic gases when heated to decomposition.
<b>Hazardous Reactions</b>	Polymerization is not expected to occur.

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## Section 11 - Toxicological Information

<b>Health Hazard Summary</b>	Irritant. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure may result in irritation to the eyes, skin and respiratory system.																												
<b>Eye</b>	Irritant. Contact may result in irritation, lacrimation, pain and redness. May result in burns with prolonged contact.																												
<b>Inhalation</b>	Irritant. Over exposure to vapours may result in respiratory irritation, nausea, dizziness and headache. Low vapour pressure may reduce the likelihood of inhalation.																												
<b>Skin</b>	Irritant. Contact may result in irritation, redness, pain and rash.																												
<b>Ingestion</b>	Low to moderate toxicity. Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain and diarrhoea.																												
<b>Toxicity Data</b>	<p>HYDROGEN PEROXIDE (7722-84-1)</p> <table><tr><td>LC50 (inhalation)</td><td>2000 mg/m<sup>3</sup>/4 hours (rat)</td></tr><tr><td>LCLo (inhalation)</td><td>227 ppm (mouse)</td></tr><tr><td>LD50 (ingestion)</td><td>2000 mg/kg (mouse)</td></tr><tr><td>LD50 (intraperitoneal)</td><td>880 mg/kg (mouse)</td></tr><tr><td>LD50 (intravenous)</td><td>15000 mg/kg (rabbit)</td></tr><tr><td>LD50 (skin)</td><td>1200 mg/kg (mouse)</td></tr><tr><td>LD50 (subcutaneous)</td><td>620 mg/kg (rat)</td></tr><tr><td>LDLo (skin)</td><td>620 500 mg/kg (rabbit)</td></tr></table> <p>SILVER NITRATE (7761-88-8)</p> <table><tr><td>LD50 (ingestion)</td><td>50 mg/kg (mouse)</td></tr><tr><td>LD50 (intraperitoneal)</td><td>17 mg/kg (mouse)</td></tr><tr><td>LDLo (ingestion)</td><td>800 mg/kg (rat)</td></tr><tr><td>LDLo (intraperitoneal)</td><td>216 mg/kg (guinea pig)</td></tr><tr><td>LDLo (intravenous)</td><td>8800 ug/kg (rabbit)</td></tr><tr><td>LDLo (subcutaneous)</td><td>62 mg/kg (guinea pig)</td></tr></table>	LC50 (inhalation)	2000 mg/m <sup>3</sup> /4 hours (rat)	LCLo (inhalation)	227 ppm (mouse)	LD50 (ingestion)	2000 mg/kg (mouse)	LD50 (intraperitoneal)	880 mg/kg (mouse)	LD50 (intravenous)	15000 mg/kg (rabbit)	LD50 (skin)	1200 mg/kg (mouse)	LD50 (subcutaneous)	620 mg/kg (rat)	LDLo (skin)	620 500 mg/kg (rabbit)	LD50 (ingestion)	50 mg/kg (mouse)	LD50 (intraperitoneal)	17 mg/kg (mouse)	LDLo (ingestion)	800 mg/kg (rat)	LDLo (intraperitoneal)	216 mg/kg (guinea pig)	LDLo (intravenous)	8800 ug/kg (rabbit)	LDLo (subcutaneous)	62 mg/kg (guinea pig)
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## Section 12 - Ecological Information

<b>Environment</b>	Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.
<b>Ecotoxicity</b>	Toxic to aquatic organisms.
<b>Persistence/Degradability</b>	This product is readily biodegradable.
<b>Mobility</b>	Miscible in water, and likely to be transported considerable distances in soil.

## Section 13 - Disposal Considerations

<b>Waste Disposal</b>	Reuse where possible. Alternatively, absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information.
<b>Legislation</b>	Dispose of in accordance with relevant local legislation.

## Section 14 - Transport Information

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

	<b>LAND TRANSPORT (ADG)</b>	<b>SEA TRANSPORT (IMDG / IMO)</b>	<b>AIR TRANSPORT (IATA / ICAO)</b>
<b>UN Number</b>	None Allocated	None Allocated	None Allocated
<b>Proper Shipping Name</b>	None Allocated	None Allocated	None Allocated
<b>DG Class/ Division</b>	None Allocated	None Allocated	None Allocated
<b>Subsidiary Risk(s)</b>	None Allocated	None Allocated	None Allocated
<b>Packing Group</b>	None Allocated	None Allocated	None Allocated
<b>Hazchem Code</b>	None Allocated		

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## Section 15 - Regulatory Information

Poison Schedule	Classified as a Schedule 5 (S5) Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Inventory Listing(s)	<b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b> All components are listed on AICS, or are exempt.

## Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Additional Information	<p><b>WORKPLACE CONTROLS AND PRACTICES:</b></p> <p>Unless a less toxic chemical can be substituted for a hazardous substance, ENGINEERING CONTROLS are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.</p> <p><b>PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:</b></p> <p>The recommendation for protective equipment contained within this ChemAlert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.</p> <p><b>HEALTH EFFECTS FROM EXPOSURE:</b> It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.</p>
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### Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m <sup>3</sup>	Milligrams per Cubic Metre
PEL	Permissible Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
TLV	Threshold Limit Value
TWA/OEL	Time Weighted Average or Occupational Exposure Limit

### MATERIAL SAFETY DATA SHEET

### CONTACT POINT

**TELEPHONE (Business hours): (02) 9998 5688      Fax: (02) 9999 2086**

**National Poisons Information Centre:                      Dial 13 1126 (from anywhere in Australia)**

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER SHOULD READ THIS MSDS AND CONSIDER THE INFORMATION IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY. THE RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2001(2003)]

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