

# SDI (North America) Inc.

Version No: 6.1

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Issue Date: 23/12/2022 Print Date: 20/11/2023 L.GHS.USA.EN

### **SECTION 1 Identification**

### **Product Identifier**

Product name	Pola Day 3% Hydrogen Peroxide Gel
Chemical Name	Not Applicable
Synonyms	Not Available
Chemical formula	Not Applicable
Other means of identification	Not Available

### Recommended use of the chemical and restrictions on use

Relevant identified uses	Dental use: To remove discoloration of teeth under the supervision of a dentist.
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# Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	SDI (North America) Inc.	SDI Limited	SDI HOLDINGS PTY LTD DO
Address	1279 Hamilton Parkway Itasca IL 60143 United States	3-15 Brunsdon Street Bayswater VIC 3153 Australia	Rua Dr. Reinaldo Schmithausen 3141 – Cordeiros Itajaí – SC – CEP 88310-004 Brazil
Telephone	+1 630 361 9200	+61 3 8727 7111	+55 11 3092 7100
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Website	www.sdi.com.au	www.sdi.com.au	http://www.sdi.com.au/
Email	USA.Canada@sdi.com.au	info@sdi.com.au	Brasil@sdi.com.au
Registered company name	Registered company name SDI Germany GmbH		
Address	Hansestrasse 85 Cologne D-51149 Germany		
Telephone	+49 0 2203 9255 0		
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Website	www.sdi.com.au		
Email	germany@sdi.com.au		

### Emergency phone number

Association / Organisation	SDI Limited	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone numbers	131126 Poisons Information Centre	+1 855-237-5573
Other emergency telephone numbers	+61 3 8727 7111	+61 3 9573 3188

Once connected and if the message is not in your preferred language then please dial 01

Una vez conectado y si el mensaje no está en su idioma preferido, por favor marque 02

### SECTION 2 Hazard(s) identification

### Classification of the substance or mixture

#### NFPA 704 diamond



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification

Hazard pictogram(s)	
Signal word	Danger

### Hazard statement(s)

H315	Causes skin irritation.
H318	Causes serious eye damage.

# Hazard(s) not otherwise classified

Not Applicable

### Precautionary statement(s) Prevention

P280	Wear protective gloves, protective clothing, eye protection and face protection.
P264	Wash all exposed external body areas thoroughly after handling.

### Precautionary statement(s) Response

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 CENTER/doctor/physician/first aider.
P302+P352	IF ON SKIN: Wash with plenty of water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

### Precautionary statement(s) Storage

Not Applicable

# Precautionary statement(s) Disposal

Not Applicable

# **SECTION 3 Composition / information on ingredients**

### Substances

See section below for composition of Mixtures

### Mixtures

CAS No	%[weight]	Name
7722-84-1	3	hydrogen peroxide

### **SECTION 4 First-aid measures**

### Description of first aid measures

Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <li>Wash out immediately with fresh running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	If skin or hair contact occurs: ► Flush skin and hair with running water (and soap if available). ► Seek medical attention in event of irritation.
Inhalation	<ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>
Ingestion	<ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul>

# Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed Treat symptomatically.

# **SECTION 5 Fire-fighting measures**

- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog Large fires only.

### Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

### Special protective equipment and precautions for fire-fighters

Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves in the event of a fire.</li> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>Use fire fighting procedures suitable for surrounding area.</li> <li>DO NOT approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> <li>Equipment should be thoroughly decontaminated after use.</li> </ul>
Fire/Explosion Hazard	<ul> <li>Non combustible.</li> <li>Not considered a significant fire risk, however containers may burn.</li> <li>May emit poisonous fumes.</li> <li>Decomposes on heating and produces:</li> <li>carbon dioxide (CO2)</li> <li>carbon monoxide (CO)</li> </ul>

### **SECTION 6 Accidental release measures**

### Personal precautions, protective equipment and emergency procedures

See section 8

### **Environmental precautions**

See section 12

# Methods and material for containment and cleaning up

Minor Spills	<ul> <li>Clean up all spills immediately.</li> <li>Avoid contact with skin and eyes.</li> <li>Wear impervious gloves and safety goggles.</li> <li>Trowel up/scrape up.</li> <li>Place spilled material in clean, dry, sealed container.</li> <li>Flush spill area with water.</li> </ul>
Major Spills	<ul> <li>Minor hazard.</li> <li>Clear area of personnel.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Control personal contact with the substance, by using protective equipment as required.</li> <li>Prevent spillage from entering drains or water ways.</li> <li>Contain spill with sand, earth or vermiculite.</li> <li>Collect recoverable product into labelled containers for recycling.</li> <li>Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.</li> <li>Wash area and prevent runoff into drains or waterways.</li> <li>If contamination of drains or waterways occurs, advise emergency services.</li> </ul>

Personal Protective Equipment advice is contained in Section 8 of the SDS.

# **SECTION 7 Handling and storage**

Precautions for safe handling	
Safe handling	<ul> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Prevent concentration in hollows and sumps.</li> <li>DO NOT enter confined spaces until atmosphere has been checked.</li> <li>DO NOT allow material to contact humans, exposed food or food utensils.</li> <li>Avoid contact with incompatible materials.</li> <li>When handling, DO NOT eat, drink or smoke.</li> <li>Keep containers securely sealed when not in use.</li> <li>Avoid physical damage to containers.</li> <li>Always wash hands with soap and water after handling.</li> <li>Work clothes should be laundered separately. Launder contaminated clothing before re-use.</li> <li>Use good occupational work practice.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> <li>Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.</li> </ul>
Other information	Do not store in direct sunlight. Store between 2 and 25 deg C.

# Conditions for safe storage, including any incompatibilities

Suitable container	DO NOT repack. Use containers supplied by manufacturer only.
Storage incompatibility	Avoid strong bases.

### **SECTION 8 Exposure controls / personal protection**

### **Control parameters**

Occupational Exposure Limits (OEL)

### INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Limits (PELs) Table Z-1	hydrogen peroxide	Hydrogen peroxide	1 ppm / 1.4 mg/m3	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	hydrogen peroxide	Hydrogen peroxide	1 ppm / 1.4 mg/m3	Not Available	Not Available	Not Available

### Emergency Limits

Ingredient	TEEL-1	TEEL-2		TEEL-3
hydrogen peroxide	Not Available	Not Available		Not Available
Ingredient	Original IDLH		Revised IDLH	
hydrogen peroxide	75 ppm		Not Available	

### MATERIAL DATA

#### Exposure controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant. Type of Contaminant Air Speed: 0.25-0.5 m/s solvent, vapours, degreasing etc., evaporating from tank (in still air). (50-100 f/min) aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray 0.5-1 m/s (100-200 drift, plating acid fumes, pickling (released at low velocity into zone of active generation) f/min.) Appropriate engineering controls direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active 1-2.5 m/s (200-500 generation into zone of rapid air motion) f/min.) grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of 2.5-10 m/s very high rapid air motion). (500-2000 f/min.) Within each range the appropriate value depends on: Lower end of the range Upper end of the range 1: Room air currents minimal or favourable to capture 1: Disturbing room air currents 2: Contaminants of low toxicity or of nuisance value only. 2: Contaminants of high toxicity 3: Intermittent, low production. 3: High production, heavy use 4: Small hood-local control only 4: Large hood or large air mass in motion Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used Individual protection measures, such as personal protective equipment Safety glasses with side shields Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent] Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption Eye and face protection and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59]. Skin protection See Hand protection below Wear chemical protective gloves, e.g. PVC. Hands/feet protection Wear safety footwear or safety gumboots, e.g. Rubber Rubber Gloves Body protection See Other protection below

### **Respiratory protection**

Type B Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	B-AUS	-	B-PAPR-AUS / Class 1
up to 50 x ES	-	B-AUS / Class 1	-
up to 100 x ES	-	B-2	B-PAPR-2 ^

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

# **SECTION 9** Physical and chemical properties

# Information on basic physical and chemical properties

Appearance	Clear gel with spearmint odour; mixes with water.		
Physical state	Gel	Relative density (Water = 1)	1.1
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	5.9-6.9	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Applicable	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

# **SECTION 10 Stability and reactivity**

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

### **SECTION 11 Toxicological information**

### Information on toxicological effects

Inhaled	The material is not thought to produce respiratory irritation (as classified by EC Directives using animal models). Nevertheless inhalation, of the material, especially for prolonged periods, may produce respiratory discomfort and occasionally, distress.
Ingestion	The material has <b>NOT</b> been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. The material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Open cuts, abraded or irritated skin should not be exposed to this material

Eye	Although the material is not thought to be an irritant (as cl characterised by tearing or conjunctival redness (as with	assified by EC Directives), direct contact with the eye may produce transient discomfort windburn).
Chronic	Limited evidence suggests that repeated or long-term occ biochemical systems.	supational exposure may produce cumulative health effects involving organs or
Pola Day 3% Hydrogen Peroxide Gel	TOXICITY Not Available	IRRITATION Not Available
hydrogen peroxide	TOXICITY           Dermal (rabbit) LD50: >2000 mg/kg <sup>[1]</sup> Inhalation(Mouse) LC50; 2800 mg/L4h <sup>[2]</sup> Oral (Rat) LD50: >225 mg/kg <sup>[2]</sup>	IRRITATION       Not Available
Legend:	<ol> <li>Value obtained from Europe ECHA Registered Substar specified data extracted from RTECS - Register of Toxic I</li> </ol>	nces - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise Effect of chemical Substances

HYDROGEN PEROXIDE	<ul> <li>No significant acute toxicological data identified in literal Asthma-like symptoms may continue for months or even known as reactive airways dysfunction syndrome (RADZ) criteria for diagnosing RADS include the absence of pre asthma-like symptoms within minutes to hours of a doct airflow pattern on lung function tests, moderate to sever lymphocytic inflammation, without eosinophilla. RADS (the concentration of and duration of exposure to the irrit result of exposure due to high concentrations of irritating disorder is characterized by difficulty breathing, cough a For hydrogen peroxide:</li> <li>Hazard increases with peroxide concentration, high con Pharmacokinetics</li> <li>Hydrogen peroxide, target organs affected include the lu Hydrogen peroxide, target organs affected include the lu Hydrogen peroxide, target organs affected inscrete the poor penetrability.</li> <li>Distribution Hydrogen peroxide is produced metabol two-electron transfer reaction, often catalysed by far peroxide.</li> <li>Hydrogen peroxide has been detected in serum and and kidney may be distribution sites. In rabbits and and emphysematous. Following intraperitoneal inject thymus (IARC 1985). Degeneration of hepatic and r peroxide to mice.</li> <li>Metabolism Glutathione peroxide has been detected in Carcinogenicity</li> <li>Gastric and duodenal lesions including adenomas, carc peroxide. Marked strain differences in the incidence of t by dermal application.</li> <li>Genotoxicity</li> <li>Malformations have been observed in chicken embryos Female rats that received 0.45% hydrogen peroxide (corpoduced normal litters when mated with untreated male Doses of 1.4 to 11 mol/egg hydrogen peroxide (equivalent to 1900 did not cause infertility.</li> <li>The substance is classified by IARC as Group 3: NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited to the set of the peroxide induced DNA damage in bacteria (<i>E. col</i>), and and Aspergillis cheval</li></ul>	n years after exposure to the material S) which can occur after exposure to the vious airways disease in a non-atopic umented exposure to the irritant. Other e bronchial hyperreactivity on methac or asthma) following an irritating inhalitating substance. On the other hand, in g substance (often particles) and is cound mucus production. Incentrations contain an additive stability is readily decomposed by catalase in ungs, intestine, thymus, liver, and kidn he bowel before absorption. When applically in intact cells and tissues. It is favoproteins, or by an initial one-electron of hydrogen peroxide in mice, pyrenal tubular epithelial tissue was obsert in decomposing hydrogen peroxide, is alase, an enzyme found in blood and human breath at levels ranging from the umors have been observed. Papillom atid exchanges and chromosomal aber dowas mutagenic to bacteria ( <i>Salmone eooflavus</i> . It was not mutagenic to <i>Dross</i> treated with hydrogen peroxide, but e quivalent to approximately 630 mg/kg/es. 0%) dissolved in water were injected i mbryonic deaths and malformations wegg.	high levels of highly irritating compound. Main individual, with sudden onset of persistent or criteria for diagnosis of RADS include a reversible sholine challenge testing, and the lack of minimal attoin is an infrequent disorder with rates related to industrial bronchitis is a disorder that occurs as a impletely reversible after exposure ceases. The ser. In normal cells. In experimental animals exposed to ey, suggesting its distribution to those sites. Indied to tissue, solutions of hydrogen peroxide have formed by reduction of oxygen either directly in a on step to O2 followed by dismutation to hydrogen if toxicity studies, the lungs, intestine, thymus, liver, histration of hydrogen peroxide, the lungs were pale rknotic nuclei were induced in the intestine and erved following oral administration of hydrogen present in normal human tissues (IARC 1985). most tissues, it rapidly decomposes into oxygen and 1.0+/5 g/L to 0.34+/-0.17 g/L. been observed in mice treated orally with hydrogen a development has been observed in mice treated errations in mammalian cells <i>in vitro</i> . Hydrogen <i>ella typhimurium</i> ) and the fungi, <i>Neurospora crassa</i> <i>sophila melanogaster</i> or to mammalian cells <i>in vitro</i> . experiments with mice and rats have been negative. day)7 as the sole drinking fluid for five weeks into the airspace of groups of 20-30 white leghorn was dose-related and detected at doses of 2.8
Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	<b>~</b>	Reproductivity	X
	× •		
Serious Eye Damage/Irritation		STOT - Single Exposure	×
Respiratory or Skin sensitisation	×	STOT - Repeated Exposure	×
Mutagenicity	×	Aspiration Hazard	×

Legend:

A - Data either not available or does not fill the criteria for classification
 A - Data available to make classification

# **SECTION 12 Ecological information**

	Endpoint	Test Duration (hr)	Species	Value	Source
Pola Day 3% Hydrogen Peroxide Gel	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	72h	Algae or other aquatic plants	0.69mg/l	4
	EC50	48h	Crustacea	2mg/l	2
hydrogen peroxide	EC50	96h	Algae or other aquatic plants	2.27mg/l	4
	NOEC(ECx)	72h	Algae or other aquatic plants	0.1mg/l	1
	LC50	96h	Fish	16.4mg/l	2
Legend:	Ecotox databas		A Registered Substances - Ecotoxicological Informatio quatic Hazard Assessment Data 6. NITE (Japan) - Bio		

### DO NOT discharge into sewer or waterways.

### Persistence and degradability

Persistence: Air	Persistence: Water/Soil	Ingredient
LOW	LOW	hydrogen peroxide
LOW	LOW	hydrogen peroxide

# **Bioaccumulative potential**

Ingredient	Bioaccumulation	
hydrogen peroxide	LOW (LogKOW = -1.571)	
,		

# Mobility in soil

Ingredient	Mobility
hydrogen peroxide	LOW (KOC = 14.3)

### **SECTION 13 Disposal considerations**

Waste treatment methods		
Product / Packaging disposal	Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill.	

### **SECTION 14 Transport information**

Labels Required	
Marine Pollutant	NO

### Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

### Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

# Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

### 14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
hydrogen peroxide	Not Available

### 14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
hydrogen peroxide	Not Available

### **SECTION 15 Regulatory information**

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

### hydrogen peroxide is found on the following regulatory lists

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic

US - Massachusetts - Right To Know Listed Chemicals

US Department of Homeland Security (DHS) - Chemical Facility Anti-Terrorism Standards (CFATS) - Chemicals of Interest

US DOE Temporary Emergency Exposure Limits (TEELs)

US NIOSH Recommended Exposure Limits (RELs) US OSHA Permissible Exposure Limits (PELs) Table Z-1

US SARA Section 302 Extremely Hazardous Substances

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

### Additional Regulatory Information

Not Applicable

### **Federal Regulations**

# Superfund Amendments and Reauthorization Act of 1986 (SARA)

# Section 311/312 hazard categories

occition of horiz nazard categories	
Flammable (Gases, Aerosols, Liquids, or Solids)	No
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	Yes
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4) None Reported

### State Regulations

US. California Proposition 65

None Reported

### **National Inventory Status**

National Inventory	Status		
Australia - AIIC / Australia Non-Industrial Use	Yes		
Canada - DSL	/es		
Canada - NDSL	No (hydrogen peroxide)		
China - IECSC	Yes		
Europe - EINEC / ELINCS / NLP	Yes		
Japan - ENCS	Yes		
Korea - KECI	Yes		
New Zealand - NZIoC	Yes		
Philippines - PICCS	Yes		
USA - TSCA	Yes		
Taiwan - TCSI	Yes		
Mexico - INSQ	Yes		
Vietnam - NCI	Yes		
Russia - FBEPH	Yes		
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.		

### **SECTION 16 Other information**

Revision Date	23/12/2022
Initial Date	21/01/2016

#### **SDS Version Summary**

Version	Date of Update	Sections Updated
5.1	01/11/2019	One-off system update. NOTE: This may or may not change the GHS classification
6.1	23/12/2022	Classification review due to GHS Revision change.

#### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by SDI Limited using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

- PC TWA: Permissible Concentration-Time Weighted Average
- PC STEL: Permissible Concentration-Short Term Exposure Limit
- ▶ IARC: International Agency for Research on Cancer
- ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- TEEL: Temporary Emergency Exposure Limit.
- ► IDLH: Immediately Dangerous to Life or Health Concentrations
- ES: Exposure Standard
- OSF: Odour Safety Factor
- NOAEL: No Observed Adverse Effect Level
   LOAEL: Lowest Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect
   TLV: Threshold Limit Value
- LOD: Limit Of Detection
- OTV: Odour Threshold Value
- BCF: BioConcentration Factors
- BEI: Biological Exposure Index
- DNEL: Derived No-Effect Level
- PNEC: Predicted no-effect concentration
- AIIC: Australian Inventory of Industrial Chemicals
- DSL: Domestic Substances List
- NDSL: Non-Domestic Substances List
- IECSC: Inventory of Existing Chemical Substance in China
- EINECS: European INventory of Existing Commercial chemical Substances
- ELINCS: European List of Notified Chemical Substances
- NLP: No-Longer Polymers
- ENCS: Existing and New Chemical Substances Inventory
- KECI: Korea Existing Chemicals Inventory
- NZIoC: New Zealand Inventory of Chemicals
- PICCS: Philippine Inventory of Chemicals and Chemical Substances
- TSCA: Toxic Substances Control Act
- TCSI: Taiwan Chemical Substance Inventory
- INSQ: Inventario Nacional de Sustancias Químicas
- NCI: National Chemical Inventory
- FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

The information contained in the Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.

### Other information:

Prepared by: SDI Limited 3-15 Brunsdon Street, Bayswater Victoria, 3153, Australia Phone Number: +61 3 8727 7111 Department issuing SDS: Research and Development Contact: Technical Director