

SDI Limited

Version No: 8.1 Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements Issue Date: 23/12/2022 Print Date: 16/11/2023 L.GHS.AUS.EN

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier		
Product name	Pola Day CP	
Chemical Name	Not Applicable	
Synonyms	Not Available	
Proper shipping name	UREA HYDROGEN PEROXIDE	
Chemical formula	Not Applicable	
Other means of identification	Not Available	

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses To remove discoloration of teeth under the supervision of a dentist.

Details of the manufacturer or supplier of the safety data sheet

Registered company name	SDI Limited	SDI (North America) Inc.	SDI HOLDINGS PTY LTD DO
Address	3-15 Brunsdon Street Bayswater VIC 3153 Australia	1279 Hamilton Parkway Itasca IL 60143 United States	Rua Dr. Reinaldo Schmithausen 3141 – Cordeiros Itajaí – SC – CEP 88310-004 Brazil
Telephone	+61 3 8727 7111	+1 630 361 9200	+55 11 3092 7100
Fax	+61 3 8727 7222	Not Available	Not Available
Website	www.sdi.com.au	www.sdi.com.au	http://www.sdi.com.au/
Email	info@sdi.com.au	USA.Canada@sdi.com.au	Brasil@sdi.com.au
Registered company name	egistered company name SDI Germany GmbH		
Address	Hansestrasse 85 Cologne D-51149 Germany		
Telephone	+49 0 2203 9255 0		
Fax	+49 0 2203 9255 200		
Website	www.sdi.com.au		
Email	germany@sdi.com.au		

Emergency telephone number

Association / Organisation	SDI Limited	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone numbers	131126 Poisons Information Centre	+61 1800 951 288
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

SECTION 2 Hazards identification

Classification of the substance or mixture

Poisons Schedule	S6
Classification ^[1]	Acute Toxicity (Oral) Category 4, Serious Eye Damage/Eye Irritation Category 1
Legend:	1. Classification by vendor; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

Label elements

Hazard pictogram(s)	
Signal word	Danger

Hazard statement(s)

H302	Harmful if swallowed.
H318	Causes serious eye damage.

Precautionary statement(s) Prevention

P280	P280 Wear protective gloves, protective clothing, eye protection and face protection.	
P264	Wash all exposed external body areas thoroughly after handling.	
P270	Do not eat, drink or smoke when using this product.	

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.	
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell.	
P330	Rinse mouth.	

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
124-43-6	35	urea hydrogen peroxide
Not Available		equivalent to:
7722-84-1	13 hydrogen peroxide	
Legend:	1. Classification by vendor; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L: * EU IOELVs available	

SECTION 4 First aid measures

Description of first aid measures		
Eye Contact	 If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with running water. 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. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. 	
Skin Contact	 If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. 	
Inhalation	 If fumes or combustion products are inhaled remove from contaminated area. Seek medical attention. 	
Ingestion	 If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice. 	

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Firefighting measures

Extinguishing media

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

Page 3 of 10

Pola Day CP

Fire Incompatibility	Avoid any contamination of this material as it is very reactive and any contamination is potentially hazardous
lvice for firefighters	
Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water courses. Fight fire from a safe distance, with adequate cover. Extinguishers should be used only by trained personnel. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. If fire gets out of control withdraw personnel and warm against entry. Equipment should be thoroughly decontaminated after use.
Fire/Explosion Hazard	 Will not burn but increases intensity of fire. Heating may cause expansion or decomposition leading to violent rupture of containers. Heat affected containers remain hazardous. Contact with combustibles such as wood, paper, oil or finely divided metal may produce spontaneous combustion or violent decomposition May emit irritating, poisonous or corrosive fumes. Decomposition may produce toxic fumes of: nitrogen oxides (NOx) carbon monoxide (CO) carbon dioxide (CO2)
HAZCHEM	1X

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

Methods and material for conta	 Clean up all spills immediately. No smoking, naked lights, ignition sources. Avoid all contact with any organic matter including fuel, solvents, sawdust, paper or cloth and other incompatible materials, as ignition may result. Avoid breathing dust or vapours and all contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with dry sand, earth, inert material or vermiculite. DO NOT use sawdust as fire may result. Scoop up solid residues and seal in labelled drums for disposal. Neutralise/decontaminate area.
Major Spills	 Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water courses. No smoking, flames or ignition sources. Increase ventilation. Contain spill with sand, earth or other clean, inert materials. NEVER USE organic absorbents such as sawdust, paper or cloth. Use spark-free and explosion-proof equipment. Collect any recoverable product into labelled containers for possible recycling. Avoid contamination with organic matter to prevent subsequent fire and explosion. DO NOT mix fresh with recovered material. Collect residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains. Decontamination of drains or waterways occurs advise emergency services.

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

SECTION 7 Handling and storage

Precautions for safe handling	
Safe handling	 For oxidisers, including peroxides. Avoid personal contact and inhalation of dust, mist or vapours. Provide adequate ventilation. Always wear protective equipment and wash off any spillage from clothing. Keep material away from light, heat, flammables or combustibles. Keep cool, dry and away from incompatible materials. Avoid physical damage to containers. DO NOT repack or return unused portions to original containers. Withdraw only sufficient amounts for immediate use. Use only minimum quantity required. Avoid using solutions of peroxides in volatile solvents. Solvent evaporation should be controlled to avoid dangerous concentration of the peroxide. Do NOT allow oxidisers to contact iron or compounds of iron, cobalt, or copper, metal oxide salts, acids or bases. Do NOT use metal spatulas to handle oxidisers Do NOT use glass containers with screw cap lids or glass stoppers.

	 Store peroxides at the lowest possible temperature, consistent with their solubility and freezing point. CAUTION: Do NOT store liquids or solutions of peroxides at a temperature below that at which the oxidiser freezes or precipitates. Peroxides, in particular, in this form are extremely shock and heat-sensitive. Refrigerated storage of peroxides must ONLY be in explosion-proof units. The hazards and consequences of fires and explosions during synthesis and use of oxidisers is widely recognised; spontaneous or induced decomposition may culminate in a variety of ways, ranging from moderate gassing to spontaneous ignition or explosion. The heat released from spontaneous decomposition of an energy-rich compound causes a rise in the surrounding temperature; the temperature will rise until thermal balance is established or until the material heats to decomposition, The most effective means for minimising the consequences of an accident is to limit quantities to a practical minimum. Even gram-scale explosions can be serious. Once ignited the burning of peroxide cannot be controlled and the area should be evacuated. Unless there is compelling reason to do otherwise, peroxide concentration should be limited to 10% (or less with vigorous reactants). Peroxide concentration is rarely as high as 1% in the reaction mixture of polymerisation or other free-radical reactions, Oxidisers should be added slowly and cautiously to the reaction medium. This should be completed prior to heating and with good agitation. Addition oxidisers to the hot monomer is extremely dangerous. A violent reaction (e.g., fire or explosion) can result from inadvertent mixing of promoters (frequently used with peroxides in polymerisation systems) with full-strength oxidisers Organic peroxides and way sensitive to contamination (especially heavy-metal compounds, metal oxide salts, alkaline materials including armines, strong acids, and many varieties of dust and dirt). This can ini
Other information	Do not store in direct sunlight. Store between 2 and 8 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
Australia Exposure Standards	hydrogen peroxide	Hydrogen peroxide		1 ppm / 1.4 n	ng/m3	Not Available		Not Available	Not Available
Emergency Limits									
Ingredient	TEEL-1		TEEL	2			TEE	L-3	
urea hydrogen peroxide	1.2 mg/m3		13 mg	g/m3			79 n	ng/m3	
hydrogen peroxide	Not Available	Not Available		Not Available		Not Available			
Ingredient	Original IDLH				Revised	IDLH			
urea hydrogen peroxide	Not Available		Not Available						
hydrogen peroxide	75 ppm	75 ppm			Not Ava	ilable			
Occupational Exposure Banding									
Ingredient	Occupational Exposure	Band Rating		0	ccupational	Exposure Ban	d Limi	it	
urea hydrogen peroxide	С			>	0.1 to ≤ millig	rams per cubic	meter	of air (mg/m³)	

urea hydrogen peroxide	C	> 0.1 to \leq milligrams per cubic meter of air (mg/m ³)
Notes:		als into specific categories or bands based on a chemical's potency and the f this process is an occupational exposure band (OEB), which corresponds to a rker health.

MATERIAL DATA

Exposure controls

Appropriate engineering controls	 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 strategical "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. Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Supplied-air type respirator may be required in special circumstances. Correct fit is ensure adequate protection. An approved self contained breathing apparatus (SCBA) may be required in some situations. Provide adequate ventilation in warehouse or closed storage area. Air contaminants generated in the workplace possess varying "escape" 			
	An approved self contained breathing apparatus (SCBA) may be required in some situations.			
	An approved self contained breathing apparatus (SCBA) may be required in some situations. Provide adequate ventilation in warehouse or closed storage area. Air contaminants generated in the workplace possess			
	An approved self contained breathing apparatus (SCBA) may be required in some situations. Provide adequate ventilation in warehouse or closed storage area. Air contaminants generated in the workplace possess velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the conta	aminant.		

	direct spray, spray painting in shallow booths, drum filling, generation into zone of rapid air motion)	1-2.5 m/s (200-500 f/min.)		
	grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).		2.5-10 m/s (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			
	2: Contaminants of low toxicity or of nuisance value only.	w toxicity or of nuisance value only. 2: Contaminants of high toxicity		
	3: Intermittent, low production.	roduction. 3: High production, heavy use		
	4: Large hood or large air mass in motion 4: Small hood-local control only			
	accordingly, after reference to distance from the contaminatir 1-2 m/s (200-400 f/min) for extraction of solvents generated i producing performance deficits within the extraction apparatu more when extraction systems are installed or used.	n a tank 2 meters distant from the extraction point. Other me	chanical consideration	
Individual protection measures, such as personal protective equipment				
Eye and face protection	the wearing of lenses or restrictions on use, should be or and adsorption for the class of chemicals in use and an their removal and suitable equipment should be readily a remove contact lens as soon as practicable. Lens should	equivalent] enses may absorb and concentrate irritants. A written policy eated for each workplace or task. This should include a revi account of injury experience. Medical and first-aid personnel ivailable. In the event of chemical exposure, begin eye irriga be removed at the first signs of eye redness or irritation - le nds thoroughly. [CDC NIOSH Current Intelligence Bulletin 55	ew of lens absorption should be trained in tion immediately and ns should be removed	
Skin protection	See Hand protection below			
Hands/feet protection	Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber Rubber Gloves			
Body protection	See Other protection below			
Other protection	 Overalls. PVC Apron. PVC protective suit may be required if exposure severe. Eyewash unit. Ensure there is ready access to a safety shower. 			

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	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 Available	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

See section 7
 Unstable in the presence of incompatible materials. Product is considered stable under normal handling conditions. Prolonged exposure to heat. Hazardous polymerisation will not occur.
See section 7
See section 7
See section 7
See section 5

SECTION 11 Toxicological information

Information on toxicological effects

Inhibition of vapous or aerosols (rists, fume), generated by the material during the course of normal handing, may be harmful. Inhibition of vapous or aerosols (rists, fume), generated by the material any produce infration of the reapironsy system, in a significant number of individuals, following inhaliaton. In contrast to most organs, the lung is able to respond to the actemical insult by first enroving or neutraliang the material may however, produce further lung damage resulting in the impairiment of gas exchange, the primary function of the lung. Respiratory tract instance there results in an inflammatory response involving the resultment and activation of financy three dross there vascular system. Integetion Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of fies than 150 gram may be fatal or may produce serious damage to the health of the individual. uncoust membrane infration United evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intar efficient on a yalos to present after produces for repeated exposure, this may result in a form of contact dermatitis (nonlight). The dermatic shi in a number of individuals following direct contact, and/or produces setter occulated experience predicts, but the equipters is a nonlight. The contact direct di	HYDROGEN PEROXIDE	For hydrogen peroxide: Hazard increases with peroxide concentration, high concentrations co Pharmacokinetics	ontain an additive stabiliser.
Limited evidence or practical experience suggests that the material may produce intration of the respiratory system, in a significant number of individuals, following inhaltation, in contrast to meet organs, the lung is able to respond to a choncil and to thy first removing on routicaling the time intration of the respiratory system. Inhaled Accidential ingestion of the material may be harmful; animal experiments indicate that ingestion of less shan 150 gram may be fatal or may produce serious damage to the health of the individual. Ingestion Accidential ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. Invocus methane infratom Accidential ingestion of the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when papelied to the healthy intact skin of a animals, for up to four success inflammation being present teather produces inflammation of the specience predicts, that the material either produces inflammation of the specience predicts. Skin trintation any also be present teather produces inflammation when papelied to the healthy intact skin of a animals, for up to four success inflammation being present teather produces inflammation of the specience and predicts in the individual. Skin Contact Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the specience and the exist on a animals. For up to four success data and the second and the exist on a animals. For up to borner other and the prediction may also been teather and the prediction on aning also seving (ocertam) which may propress to taking a	UREA HYDROGEN PEROXIDE	No chronic human exposure data is available	
Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast or most organs, the lung is able to respond to a chemical insult by first removing on neutralising the triman and then repairing the damage. The repair process, which initially evolved to protect mammalan lungs from foreign matter and andiges may however, produce further lung damage resulting in the inspiration of a sechange, the primary Interior of the lungs. Respiratory trat. Instead Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. Imagestion Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the shin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the health of the existence and shin in a substantial number of produce significant inflammation when applied to the health of the existence and shin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the health of the existence evidence and shin in a substantial number of prolonged or produce significant inflammation when applied to the health of the existence evidence evidence evidence evidence evidence evidence and the existence evidence eviden	Legend:		
Limited evidence or practical experience suggests that the material may produce initiation of the respiratory system, in a significant number of individuals, following inhabitation, in contrast to most organs, the lung is abite to respond to a chernical insult by first removing or neutralising the individuals. To individuals individuals, for the lungs. Respiratory tradition of the results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Accidential ingestion Accidential ingestion of the material may be harmful: animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. Skin Contact Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the activation of the spines and the epidermis. At the material either produces or instance dama of the spongology of the skin (approace). The domancerised by skin repeated exposure, this may result in a form of contact dematis is often characterised by skin represent betwenty-four hours or more after the skin genopiciosi and intracellular exdema of the epidermis. Skin contact Skin Contact When applied to the velocity in repeated exposure, this may results in a form of contact dematis is often characterised by skin repeated exposure previde. Skin private science and the epidermis. Skin contact will result in rapid dying, bleaching, leading to chemical support of the skin (sponglosisi) and intracellular exdema of the epidermis. Skin contact		Oral (Rat) LD50: >225 mg/kg ^[2]	
Linkide dvidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhabitation, in contrast to most organs, the lung is able to respond to a chernical insuit by first removing or neutralising the individuals. Following inhabitation results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Accidental ingestion Accidental ingestion of the material may to be harmful: animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. muccous membrane irritation of more after the and of the system series of an inflammation response involving the recruitment and accidental inflammation may also be present after produces significant inflammation when applied to the evaluation. Scien grant dividuals following direct contract, and/or produces significant inflammation (nonaling cill), intract skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the ador the exposure period. Skin inflammation and the applied to the evaluation is also be present after prolonged or repeated exposure; this may result in a form of contact dermatilis (nonaling ci). The dermatilis is often characterized by skin reneases (serving), easing the block-sime and three updorms. At the microscopic level there may be intercellular exdema of the sponsy layer of the sponsy layer of the sponsy layer of the sponsy layer of the sponsy report decisions which are present eventy-four hours or more after the sponsy layer of the dermatilis is often characterized by skin reneases (serving), inclass and not the skin exponsions, and the tracellular ocelema of the sponsy layer of the sponsy layer of the sponsy layer of the sponsy layer of the dermatilis is often characterized by skin reneases	nyarogen peroxide	Inhalation(Mouse) LC50; 2800 mg/L4h ^[2]	
Limited evidence or practical experience suggests that the material any produce irritation of the respiratory system, in a significant number of individuals, following inhabition. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repaining the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens may however, produce further lung damage resulting in the impairment of qas exchange, the primary lunction of the lungs. Respiratory tract irritation of the metatical may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. Ingestion Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of the skin in a substantial number of individuals following individuals following individuals. skin Contact Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following individuals following, leading to contact. Skin Contact Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the epidemis. Stin contact with health of the opidemis ges to bilistering (vesculation), scaling and thickening of the epidemis. At the material either individual. skin contact Vienter may be intercellular cedema of the spong layer of the skin (sponglosis) and intracellular cedema of the epidemis. Skin contact skin contact When applied to the eyel(s) of animals, the material end ensure that any external damage is suitably protected.	hadron and the	Dermal (rabbit) LD50: >2000 mg/kg ^[1]	Not Available
Initial evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhabition, in contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the ungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, manly derived from the vascular system. Ingestion Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce services damage to the health of the individual. Skin Contact Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation of the experime. Skin in a substantial number of or individuals following direct contact, and/or produces significant inflammation of the experime. Skin contact Skin Contact Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the exist of a nimals, for up to four hours, such uniffarmation the value of the exist of a nimals. Sci up to four hours, such uniffarmation may a lose be present that resperience predicts, that the material or dematifies (nonallergic). The dermatitis is often characterised by skin redonse (retrythem) and suvelling (cedema yind) which may propruce so bistering (vesiculation), acting and thickening) of the		ΤΟΧΙCΙΤΥ	IRRITATION
Inhaled Limited evidence or practical experience suggests that the material may produce "intration of the respiratory system, in a significant number of individuals, following inhaliation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the intritute and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract intritution often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Ingestion Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. mucous membrane initiation Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Skin limitation may be intercellular cedema of the spongy layer of the skin (sponglesis) and intracellular cedema of the spong layer of the skin should not be expected to the spong value of the skin (sponglesis) and intracellular cedema of the spong layer of the skin spongles) and thickening of the epidermis. At the microscopic level there may be intercellular cedema of the spong layer of the skin spongles) and thickening of the epidermis. Skin contact will result in rapid drying, bleaching, leading to chemical burns on prolonged contact		Oral (Mouse) LD50; 11500 mg/kg ^[1]	Skin: adverse effect observed (irritating) ^[1]
Inhaled Limited evidence or practical experience suggests that the miarerial may produce "intation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organ, the lung is able to respond to a chemical insult by first removing or neutralising the irritatin and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation of the rusts is an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. mucous membrane irritation Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure peried. Skin intration may also be present after early so intracellular oedema of the epidermis. At the microscopic level there may be intercellular oedema or the skin intracellular oedema of the sponglogic). The deminate is of the epidermis. Skin contact will result in rapid drying, bleaching, leading to chemical burns on prolonged contact. Skin Contact Eye When applied to the eye(s) of animals, the material and ensure that any external damage is suitably protected. Skin contact will result in rapid	urea hydrogen peroxide	Dermal (rabbit) LD50: 700 mg/kg ^[1]	Eye: adverse effect observed (irreversible damage) ^[1]
Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritation and then repaining the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Accidental ingestion Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. mucous membrane irritation Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present at the prolonged or repeated exposure; this may result in a form of contact dermatitis (progues) and inticatellar oedema of the spin groups or bistering (vesculation), scaling and thickening of the epidermis. At the microscopic level there may be intercellular oedema of the spin groups on prolonged contact Skin Contact Eye When applied to the eye(s) of animals, the material and ensure that any external damage is suitably protected. United evi		ΤΟΧΙΟΙΤΥ	IRRITATION
Inhaled Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the individual. Individual in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. muccus membrane irritation Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of a nimals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (nonallergic). The dermatitis of the nearchized wide increase (erythema) and swelling (oedema) which may progress to bilstering (vessing) and hirtcellular oedema of the epidermis. Skin contact Skin Contact Evel there may be intercellular oedema of the exposure period. Skin irritation may also be present after prolonged or instated skin should not be exposed to this material and ensure t	Fola Day Cr	Not Available	Not Available
Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system.InheledAccidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. mucous membrane irritationIngestionLimited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produce significant inflammation when applied to the healthy intact skin of animals, for up to four 	Bola Day CB	тохісіту	IRRITATION
Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tractor irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. muccous membrane irritation Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (nonallergic). The dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to bilstering (vesiculation), scaling and thickening of the epidermis. Skin contact will result in rapid drying, bleaching, leading to chemical burns on prolonged contact. Open cuts, abraded or irrited skin should not be exposed to this material Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce	Chronic	biochemical systems.	
Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Ingestion Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. mucous membrane irritation Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (nonallergic). The dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to blistering (vesiculation), s	Eye	When applied to the eye(s) of animals, the material produces severe	ocular lesions which are present twenty-four hours or more after instillation
Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.	Skin Contact	individuals following direct contact, and/or produces significant inflam hours, such inflammation being present twenty-four hours or more aft prolonged or repeated exposure; this may result in a form of contact of redness (erythema) and swelling (oedema) which may progress to bli microscopic level there may be intercellular oedema of the spongy lay Skin contact will result in rapid drying, bleaching, leading to chemical Open cuts, abraded or irritated skin should not be exposed to this ma Entry into the blood-stream through, for example, cuts, abrasions, pur	mation when applied to the healthy intact skin of animals, for up to four er the end of the exposure period. Skin irritation may also be present after dermatitis (nonallergic). The dermatitis is often characterised by skin stering (vesiculation), scaling and thickening of the epidermis. At the yer of the skin (spongiosis) and intracellular oedema of the epidermis. burns on prolonged contact terial incture wounds or lesions, may produce systemic injury with harmful effect
InhaledInhaledInhaledInhaledAccidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may	Ingestion		
Inhaled Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens, may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular			nts indicate that ingestion of less than 150 gram may be fatal or may
	Inhaled	Limited evidence or practical experience suggests that the material m individuals, following inhalation. In contrast to most organs, the lung is irritant and then repairing the damage. The repair process, which initia may however, produce further lung damage resulting in the impairment irritation often results in an inflammatory response involving the recruit	ay produce irritation of the respiratory system, in a significant number of s able to respond to a chemical insult by first removing or neutralising the ally evolved to protect mammalian lungs from foreign matter and antigens nt of gas exchange, the primary function of the lungs. Respiratory tract

Hydrogen peroxide is a normal product of metabolism. It is readily decomposed by catalase in normal cells. In experimental animals exposed to

Acute Toxicity Skin Irritation/Corrosion Serious Eye Damage/Irritation Respiratory or Skin sensitisation	×	Reproductivity STOT - Single Exposure STOT - Repeated Exposure	x x x
Skin Irritation/Corrosion Serious Eye Damage/Irritation			
· · · · ·			
Acute Toxicity	1		
	✓	Carcinogenicity	×
UREA HYDROGEN PEROXIDE & HYDROGEN PEROXIDE	No significant acute toxicological data identified in literati Asthma-like symptoms may continue for months or even known as reactive airways dysfunction syndrome (RADS criteria for diagnosing RADS include the absence of prev asthma-like symptoms within minutes to hours of a docu airflow pattern on lung function tests, moderate to severe lymphocytic inflammation, without eosinophilia. RADS (of the concentration of and duration of exposure to the irritar result of exposure due to high concentrations of irritating disorder is characterized by difficulty breathing, cough an	n years after exposure to the material S) which can occur after exposure to vious airways disease in a non-atopic umented exposure to the irritant. Othe e bronchial hyperreactivity on methac or asthma) following an irritating inhal ating substance. On the other hand, i g substance (often particles) and is co	high levels of highly irritating compound. Main c individual, with sudden onset of persistent er criteria for diagnosis of RADS include a reversible choline challenge testing, and the lack of minimal ation is an infrequent disorder with rates related to industrial bronchitis is a disorder that occurs as a
	 Hydrogen peroxide has been detected in breath. Absorption: Hydrogen peroxide is decomposed in the poor penetrability. Distribution Hydrogen peroxide is produced metabol two-electron transfer reaction, often catalysed by fla peroxide. Hydrogen peroxide has been detected in serum and and kidney may be distribution sites. In rabbits and or and emphysematous. Following intraperitoneal inject thymus (IARC 1985). Degeneration of hepatic and reperoxide to mice. Metabolism Glutathione peroxidaes, responsible for When hydrogen peroxide comes in contact with cata water. Excretion Hydrogen peroxide has been detected in the Carcinogenicity Gastric and duodenal lesions including adenomas, carci peroxide. Marked strain differences in the incidence of tuby dermal application. Genotoxicity Mulformations have been observed in chicken embryos i Female rats that received 0.45% hydrogen peroxide (purity 30 chicken eggs on day 3 of incubation. Embryos were examined on day 14. The incidence of emoryos were examined on day 14. The incidence of emoryos were examined on day 14. The incidence of emoryos were examined on day 14. The incidence of emoryos were examined on day 14. The incidence of emoryos and above. The combined ED50 was 2.7 mol/eg Reproductive Toxicity A 1% solution of hydrogen peroxide (equivalent to 1900 did not cause infertility. 	lically in intact cells and tissues. It is f avoproteins, or by an initial one-electro d in intact liver. based on the results o cats that died after intravenous admir ction of hydrogen peroxide in mice, py renal tubular epithelial tissue was obs r decomposing hydrogen peroxide, is alase, an enzyme found in blood and human breath at levels ranging from inomas, and adenocarcinomas have I umors have been observed. Papillom atid exchanges and chromosomal abi l was mutagenic to bacteria (<i>Salmone sooflavus</i> . It was not mutagenic to <i>Dros</i> treated with hydrogen peroxide, but e juivalent to approximately 630 mg/kg/ as. 0%) dissolved in water were injected i mbryonic deaths and malformations w gg.	formed by reduction of oxygen either directly in a on step to Q2 followed by dismutation to hydrogen of toxicity studies, the lungs, intestine, thymus, liver, nistration of hydrogen peroxide, the lungs were pale yknotic 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

SECTION 12 Ecological information

Pola Day CP	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
urea hydrogen peroxide	EC50	48h	Crustacea	2mg/l	2
	LC50	96h	Fish	37.4mg/l	2
	EC0(ECx)	24h	Crustacea	0.9mg/l	2
hydrogen peroxide	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	72h	Algae or other aquatic plants	0.69mg/l	4
	EC50	48h	Crustacea	2mg/l	2
	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:	Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data
---------	--

DO NOT discharge into sewer or waterways.

Persistence and degradability

Persistence: Water/Soil	Persistence: Air
LOW	LOW
Bioaccumulation	
LOW (LogKOW = -1.571)	
Mobility	
LOW (KOC = 14.3)	
	LOW Bioaccumulation LOW (LogKOW = -1.571) Mobility

SECTION 13 Disposal considerations

Waste treatment methods	
Product / Packaging disposal	 Containers may still present a chemical hazard/ danger when empty. Return to supplier for reuse/ recycling if possible. Otherwise: If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. Where possible retain label warnings and SDS and observe all notices pertaining to the product. DO NOT allow wash water from cleaning or process equipment to enter drains. It may be necessary to collect all wash water for treatment before disposal. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill.

SECTION 14 Transport information

Labels Required

Marine Pollutant	NO
HAZCHEM	1X

Land transport (ADG)

Land transport (ADO)			
14.1. UN number or ID number	1511		
14.2. UN proper shipping name	UREA HYDROGEN PEROXIDE		
14.3. Transport hazard class(es)	Class Subsidiary Hazard	5.1 8	
14.4. Packing group	Ш		
14.5. Environmental hazard	Not Applicable		
14.6. Special precautions for user	Special provisions Limited quantity	Not Applicable 5 kg	

Air transport (ICAO-IATA / DGR)

14.1. UN number	1511	1511		
14.2. UN proper shipping name	Urea hydrogen peroxide			
14.3. Transport hazard class(es)	ICAO/IATA Class	5.1		
	ICAO / IATA Subsidiary Hazard	8		
0.000(00)	ERG Code	5C		
14.4. Packing group	III			

14.5. Environmental hazard	Not Applicable					
	Special provisions	A803				
	Cargo Only Packing Instructions	563				
14.6. Special precautions for user	Cargo Only Maximum Qty / Pack	100 kg				
	Passenger and Cargo Packing Instructions	559				
	Passenger and Cargo Maximum Qty / Pack	25 kg				
	Passenger and Cargo Limited Quantity Packing Instructions	Y545				
	Passenger and Cargo Limited Maximum Qty / Pack	5 kg				

Sea transport (IMDG-Code / GGVSee)

14.1. UN number	1511		
14.2. UN proper shipping name	UREA HYDROGEN PEROXIDE		
14.3. Transport hazard	IMDG Class	5.1	
class(es)	IMDG Subsidiary Haz	zard 8	
14.4. Packing group	II		
14.5 Environmental hazard	Not Applicable		
	EMS Number	F-A, S-Q	
14.6. Special precautions for user	Special provisions	Not Applicable	
	Limited Quantities	5 kg	

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
urea hydrogen peroxide	Not Available
hydrogen peroxide	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
urea hydrogen peroxide	Not Available
hydrogen peroxide	Not Available

If packed as Chemical kits the following classification may be considered if all ICAO/IATA transport requirements are met: Chemical Kit UN3316 - Class 9, SP A44 & A163.

SECTION 15 Regulatory information

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

urea hydrogen peroxide is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 10 / Appendix C Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5 Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 6 Australian Inventory of Industrial Chemicals (AIIC)

hydrogen peroxide is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 10 / Appendix C

- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 5
- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 6

Australian Inventory of Industrial Chemicals (AIIC)

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

National Inventory Status

National Inventory	Status	
Australia - AIIC / Australia Non-Industrial Use	Yes	
Canada - DSL	No (urea hydrogen peroxide)	
Canada - NDSL	No (hydrogen peroxide)	
China - IECSC	Yes	
Europe - EINEC / ELINCS / NLP	Yes	
Japan - ENCS	No (urea hydrogen peroxide)	

National Inventory	Status	
Korea - KECI	Yes	
New Zealand - NZIoC	Yes	
Philippines - PICCS	Yes	
USA - TSCA	Yes	
Taiwan - TCSI	Yes	
Mexico - INSQ	No (urea hydrogen peroxide)	
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	09/11/2015

SDS Version Summary

Version	Date of Update	Sections Updated
7.1	01/11/2019	One-off system update. NOTE: This may or may not change the GHS classification
8.1	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
- 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
- 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