

SECTION 1 – IDENTIFICATION OF THE PRODUCT AND SUPPLIER		
Product Name	DuroPax	
Other Description	Long-term Antimicrobial Cleaner for Passenger Spaces	
Chemical Ingredients See also SECTION 3	DUROKLEEN HOSPITAL GRADE DISINFECTANT	Benzalkonium chloride 0.25%
		Hydrogen Peroxide 0.1%
		Inert ingredients 49.65%
	DURO1000 PLANT-BASED CLEANER DETERGENT	READILY BIODEGRADABLE, 100% ORGANIC Ethanolamine, EDTA, Alkylpolyglycoside, talloil, organic surfactants, fragrance, deionised water *Trade Secret
Note; Duro1000 ingredient ratios available under Non-Disclosure arrangement		
Recommended Use	Apply by spraying or wiping on water-safe surfaces as a surface cleaner and antimicrobial protection	
Supplier/Manufacturer	Durokleen Global Pty Ltd ACN 630 884 105	
Postal Address	Suite 401, 55 Plaza Parade, Maroochydore Queensland 4558 Australia	
Internet Address	Email: contact@durokleen.com	Website: www.durokleen.com
Telephone Contact	In Australia: 1300 911 695 , International: +61 426 477 304	
Emergency Telephone	In Australia: 000 (all hours)	
Poisons Information	In Australia: 13 11 26 (all hours)	
Compliance Guidelines. This Safety Data Sheet (SDS) is issued by the Manufacturer/Distributor (Durokleen) in accordance with the standards guidelines published by Safe Work Australia, the Statutory Australian Government Agency established under the Safe Work Australia Act 2008. The information it contains must not be altered, added to, or deleted. Durokleen will not accept responsibility for any changes made to this SDS by any other person or organisation. Durokleen will issue a new SDS if and when there is a change in product specifications and/or Safe Work Australia standards, codes, guidelines, or regulations.		
SDS Date of Issue:	September 2020	Version Number: 1.5

SECTION 2 – HAZARDS IDENTIFICATION		
Classification	Considered NON-HAZARDOUS by the 2012 OSHA Hazard Communication Standard	
GHS Label Elements	Signal Word	CAUTION
	Hazard Statement	Not hazardous
	Physical State	Aqueous solution
	Appearance	Clear liquid
	Odour	Subtle fragrance
Precautionary Statements	Prevention	Avoid contact with eyes and prolonged direct contact with skin. Wash hands, face and exposed skin after handling
	Eye/face protection	No specific eye/face protection measures are noted, however safety goggles may be advisable for handling or decanting large product volumes (eg) 200L, 1000L IBC.
	Skin protection	No specific skin protection measures are noted, however gloves and protective clothing may be advisable for handling or decanting large product volumes (eg) 200L, 1000L IBC.
	Response	IF IN EYES: Hold affected eyes open and rinse gently with clean water for 15-20 minutes. If you are wearing contact lenses, remove them after rinsing eyes for 5 minutes, then continue rinsing eyes 10-15 minutes.
	Storage	Keep well sealed, beyond the reach of children
	Disposal	May be disposed of safely in accordance with applicable federal, state, and local regulations
	Hazards not otherwise classified (HNOC)	None
Other Information	In concentrated liquid form only is TOXIC TO FISH; see also SECTION 6	
Chemical Interactions	Not applicable	

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Ingredients	CAS-No	Weight
3-(trimethoxysilyl) propyldimethyloctedecyl ammonium chloride	27668-52-6	* Trade Secret
Hydrogen Peroxide	7722-84-1	0.1%
Alkyloxypolyethyleneoxyethanol (surfactant compound)	68551-12-2	* Trade Secret
Monoethanolamine, fully reacted	141-43-5	* Trade Secret
Tall Oil fatty acids	1790-12-3	* Trade Secret
Alkylpolyglycoside surfactant	110615-47-9	* Trade Secret
Ethylenediaminetetraacetic acid (EDTA)	000064-02-8	* Trade Secret
Deionised Water	7732-18-5	* Trade Secret

* Precise concentrations of ingredients are withheld as a trade secret, available by request under Non-Disclosure Agreement.

SECTION 4 – FIRST AID MEASURES

FIRST AID	If poisoning occurs, consult a medical doctor or call the Australian Poison Information Hotline 24/7 on 13 11 26. Have the SDS or product label with you when seeking medical advice or treatment.
IF IN EYES	Hold affected eyes open and rinse gently with clean water for 15-20 minutes. If wearing contact lenses, remove them after rinsing eyes for 5 minutes, then continue rinsing eyes 10-15 minutes.
Most important symptoms and effects, both acute and delayed:	
1.	Causes moderate eye irritation – avoid contact with eyes
2.	Prolonged exposure may cause skin irritation – wash skin after direct exposure
Indication of any immediate medical attention and special treatment needed:	
Notes to Physician	Treat symptomatically

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media	N/A
Unsuitable extinguishing media	N/A
Specific Hazards Arising from the Chemical	The product may cause moderate eye irritation
Explosion Data	Sensitivity to Mechanical Impact – None.
	Sensitivity to Static Discharge – None.
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	
Personal Precautions	May cause moderate eye irritation – avoid contact with eyes
Other information	Refer to protective measures listed in Sections 7 and 8.
Environmental Precautions:	In its concentrated form this product is toxic to aquatic vertebrates (fish) and invertebrates, molluscs (mussels, oysters, etc), and crustaceans (prawns, crabs, crays, etc). DO NOT allow concentrated product to enter storm drains, lakes, ponds, dams or streams, etc. See SECTION 12 for ecological Information
Methods and material for containment and cleaning up:	
Methods for Containment	Prevent further leakage or spillage if safe to do so
Methods for Cleaning Up concentrate	Absorb and contain. Use ionic laundry soap to deactivate. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material

SECTION 7 – HANDLING, STORAGE, SAFE USAGE	
Precautions for safe usage and handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Do not eat, drink or smoke when using this product
Conditions for safe storage	Store away from children. Reseal containers tightly after use. Store upright in a cool, dry area, away from direct sunlight and heat to avoid deterioration
Incompatibilities	Do not contaminate water, food or feed by the product's use, storage or disposal

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION			
Control parameters:			
Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
3-(trihydroxysilyl) propyldimethyloctedecyl ammonium chloride	None	None	None
<i>ACGIH TLV = American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL = Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH = Immediately Dangerous to Life or Health.</i>			
Appropriate engineering controls:			
Engineering measures	Eyewash stations, hand wash facilities		
Individual protection measures, such as personal protective equipment:			
Eye/Face/Skin Protection	If splashing is likely: wear safety glasses or goggles or face shield and/or protective clothing		

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES				
Physical Properties:				
Physical State	Appearance	Colour	Odour	Odour threshold
Thin liquid	Clear	Clear	None	No information
Chemical Properties:				
Property	Value	Remarks/Method		
pH	-7	None known		
Melting/freezing point	No data available	None known		
Boiling point / boiling range	No data available	None known		
Flash Point	Not flammable	None known		
Flammability limits	Not flammable	None known		
Evaporation rate	No data available	None known		
Vapor pressure	No data available	None known		
Vapor density	No data available	None known		
Specific gravity	-1.1	None known		
Water solubility	Soluble	None known		
Solubility in other solvents	No data available	None known		
Partition coefficient: n-octanol/water	No data available	None known		
Autoignition temperature	No data available	None known		
Decomposition temperature	No data available	None known		
Kinematic viscosity	No data available	None known		
Dynamic viscosity	No data available	None known		
Explosive Properties	Not explosive	None known		

Oxidizing Properties	No data available	None known
Other information:		
Softening Point	No data available	None known
VOC content (%)	No data available	None known
Particle size	No data available	None known
Particle Size distribution	No data available	None known

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Not applicable
Chemical stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	None under normal processing
Conditions to avoid	None known based on information provided
Incompatible materials	Not applicable
Hazardous Decomposition Products	None known based on information provided

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:				
Eye Contact	May cause moderate eye irritation			
Component information:				
Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation	
3-(trihydroxysilyl) propyldimethyloctedecyl ammonium chloride	5000 mg/kg (Rat)	>10000 mg/kg (Rabbit)		
Information on toxicological effects:				
Symptoms	May cause moderate eye irritation			
Delayed and immediate effects as well as chronic effects from short and long-term exposure				
Sensitization	None			
Mutagenic effects	None			
Carcinogenicity	Refer to the table below			
The following table indicates whether each agency has listed any ingredient as a carcinogen:				
Chemical Name	ACGIH	IARC*	NTP	OSHA
3-(trihydroxysilyl) propyldimethyloctedecyl ammonium chloride		Group 3		
* IARC = International Agency for Research on Cancer. Group 3 = Not Classifiable as to Carcinogenicity in Humans				
Reproductive Toxicity	No information available			
STOT - single exposure	No information available			
STOT - repeated exposure	No information available			
Chronic Toxicity	Carcinogenic potential unknown			
Target Organ Effects	Eyes			
Aspiration Hazard	No information available			
Numerical measures of toxicity - Product Information:				
The following values are calculated based on chapter 3.1 of the GHS document				
ATEmix (oral)	60 g/kg			
ATEmix (inhalation-dust/mist)	60 g/kg			

SECTION 12 – ECOLOGICAL INFORMATION		
Eco-toxicity	TOXIC TO FISH	Do not allow the product to enter storm drains, lakes, ponds, dams or streams. See SECTION 6 for more information.
Persistence and Biodegradability		No information available
Bioaccumulation		No information available
Other adverse effects		No information available

SECTION 13 – DISPOSAL CONSIDERATIONS	
Disposal methods	Dispose of in accordance with all applicable federal, state, and local regulations. Do not contaminate food or feed by disposal of this product.
Contaminated Packaging	Dispose of safely and in accordance with all applicable federal, state, and local regulations.

SECTION 14 – TRANSPORT INFORMATION	
DOT	
Not regulated	Not Required
TDG	
UN-No	Not Required
Proper Shipping Name	Not Required
Hazard Class	Not Required
Packing Group	Not Required
Description	Not Required
ICAO	
UN-No	Not Required
Proper Shipping Name	Not Required
Hazard Class	Not Required
Packing Group	Not Required
Description	Not Required
IATA	
UN-No	Not Required
Proper Shipping Name	Not Required
Hazard Class	Not Required
Packing Group	Not Required
Description	Not Required
IMDG/IMO	
UN-No	Not Required
Proper Shipping Name	Not Required
Hazard Class	Not Required
Packing Group	Not Required
EmS No.	Not Required
Marine Pollutant	Not Required
Description	Not Required

SECTION 15 – REGULATORY INFORMATION

Chemical Inventories	
TSCA	All components of this product are either on the TSCA 8(b) Inventory or are otherwise exempt from listing
DSL/NDSL	All components are on the DSL or NDSL
US Federal Regulations	
SARA 313	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
SARA 311/312 Hazard Categories	
Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
EPA Statement	
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under USA federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:	
CAUTION	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice
US State Regulations	
California Proposition 65	This product does not contain any Proposition 65 chemicals
International Regulations	Not applicable

SECTION 16 – OTHER RELEVANT INFORMATION

NFPA			
Health Hazard	Flammability	Instability	Physical & Chemical Hazards
0	0	0	–
HMIS			
Health Hazard	Flammability	Physical Hazard	Personal Protection
0	0	0	0
Prepared by:	DuroKleen Global Pty Ltd ACN 630 884 105		
Revision Date	Version	Note	Reference
SEPTEMBER 2020	1.5	Update	WG

General Disclaimer

The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. The provided information is intended as a guidance only for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates to the specifically designated material only and unless specified in the text may not be valid for such material used in any particular process or in combination with any other material/s.

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