

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name:	ISOSHIELD
Product codes:	IS30, IS50, IS250, IS5
Recommended use:	ISOSHIELD is a multi-application cleaner, sanitiser and antimicrobial protectant, 3 in 1 product suitable for application to hands and hard and soft surfaces as per directions.
Company details:	PACIFIC HYGIENE LTD P O BOX 305-503 Triton Plaza, North Shore Auckland 0757, NEW ZEALAND
Telephone number:	Phone: +64 9 477-5700
Emergency telephone number:	National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111

SECTION 2: PRODUCT COMPOSITION AND INGREDIENTS

Product Characterisation:	Colourless Clear Liquid, Cleaning Sanitising and Antimicrobial Protectant Solution		
Product Components:	INGREDIENT	CAS #	APPROX CONCENTRATION
	Ethyl Alcohol		~ 70%
	BENZYLKONIUM CHLORIDE	61789-71-1	<2 %
	Octadecyldimethyl (3-Trimethoxysilylpropyl) Ammonium Chloride	27668-52-6	<1 %
	Edible Sucrose Ester Sufactant		<5%
	Aqua pura - Water		>20 %

Data and interpretation: May be harmful if swallowed. May cause eye irritation

SECTION 3: HAZARDS IDENTIFICATION

Hazard classifications:	3.1 Flammable Classified as hazardous according to NOHSC-HAZARDOUS SUBSTANCE Ecotoxic see section 11
Risk and safety phrases:	May cause slight or mild skin irritation. Avoid excessive skin contact May cause slight or mild irritation if ingested. Avoid ingestion. May cause slight or mild irritation if inhaled. Harmful – may cause eye irritation if direct eye contact. Avoid contact with eyes. Harmful – May cause organ damage from repeated oral exposure at high does. Harmful – to aquatic life with long-lasting effects. Avoid contamination of any water supply with product

SECTION 4: FIRST AID MEASURES	
Necessary first aid measures:	<p>For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately</p> <p><u>Eye Contact:</u> Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.</p> <p><u>Skin Contact:</u> Not applicable. No irritation or reaction expected.</p> <p><u>Excessive Inhalation:</u> Remove patient to fresh air. Lie down and keep warm and rested. Seek medical assistance.</p> <p><u>Ingestion:</u> Do NOT induce vomiting. Seek medical assistance immediately.</p>
Workplace facilities:	Facilities storing or utilising this material should be equipped with an eyewash facility
Notes for medical personnel:	Treat symptomatically
SECTION 5: FIRE FIGHTING MEASURES	
Type of hazard	FLAMMABLE
Fire hazard information	<p>Containers can build up pressure if exposed to heat and /or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapours may form a explosive mixture with air. Vapours can travel to a source of ignition and flash back. Will burn if involved in a fire</p> <p>Flammable Liquid. Can release vapours that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire.</p>
Flash Point:	30°C
Extinguishing media and methods:	For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do not use straight streams of water
Hazchem code:	3.1
Recommended protective clothing:	Wear PVC protective clothing and breathing apparatus for fire-fighting if necessary.
SECTION 6: ACCIDENTAL RELEASE MEASURES	
Emergency procedures:	Wear protective clothing. Clear area of unprotected personnel. Contain small spill and either absorb with sand, soil or absorbent granules or hose away with water. Collect in an appropriate sealable container for disposal.
SECTION 7: HANDLING AND STORAGE	
Handling procedures:	Use in a well-ventilated area. Avoid ingestion and direct eye contact.
Storage procedures:	Store in a tightly closed container. Store in a cool, dry, well-ventilated area.
SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION	
Workplace exposure standards:	No exposure limits have been specifically assigned for this product.
Application in the workplace:	As instructed in directions product can be used in the workplace as directed
Engineering controls:	An adequate supply of water should be available in storage and handling areas. Facilities storing or utilising this material should be equipped with an eyewash facility.
Personal protection:	Avoid excessive contact. Prolonged contact may cause irritation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Colourless clear liquid.
Odour:	No Odour
Solubility in Water	Soluble in water
Specific Gravity	~0.869g/ml @20°C
Boiling Point	78°C
Flash Point	30°C
Viscosity	Data Not available at published date
Molecular weight	Data Not available at published date
pH	

SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:	Stable product under normal conditions, temperatures and pressures
Material to avoid:	Do not mix with any other liquid other than water. Avoid acids, strong oxidising agents and anionic materials.
Hazardous decomposition products:	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, silicon dioxide
Hazardous polymerization:	Will not occur
Specific data:	N/A at time of published date

SECTION 11: TOXICOLOGICAL INFORMATION

Summaries Data:	Low toxicity
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Product Components:

INGREDIENT	CAS #	Toxicological Summary
Ethyl Alcohol		Medium toxicity. Not classifiable as carcinogenic to humans – toxic to bacteria
BENZYLKONIUM CHLORIDE	61789-71-1	Low – medium toxicity. Not known as carcinogenic to humans – toxic to bacteria
Octadecyldimethyl (3-Trimethoxysilylpropyl) Ammonium Chloride	27668-52-6	Very low toxicity and Not known as carcinogenic – toxic to bacteria
Edible sucrose ester surfactant		N/A
Aqua pura - Water		N/A
Fragrance		N/A

Effects Of Chronic Exposure:	None Known
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SECTION 12: ENVIRONMENTAL INFORMATION

Potential environmental interactions:	Harmful to fish. Do not contaminate drains or waterways
Environmental Risk & Safety :	N/A at time of published date

SECTION 13: DISPOSAL CONSIDERATIONS

Recycle container in accordance with local bylaws where possible.	<p><u>Product Disposal:</u> To avoid disposal all attempts should be made to utilise the product completely in accordance with its registered use.</p> <p><u>Container Disposal:</u> Recycle or dispose of in accordance with local by laws.</p>
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SECTION 14: TRANSPORT INFORMATION

Relevant Information:	Special provisions for transport not available at published time and date.
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SECTION 15: REGULATORY INFORMATION

Labelling Information (EEC Regulations Safety Phrases as per label):	S2 Keep out of reach of children S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S46 If swallowed, wash out mouth, and then drink plenty of water. Seek medical advice immediately and show the container label.
HSNO controls:	Refer section 3
MPI controls:	MPI (Ministry of Primary Industries) C51, C41,C38 approval
SECTION 16: OTHER INFORMATION	
Additional Information	While the information set forth is believed to be accurate as of the date hereof, PACIFIC HYGIENE LTD makes no warranty with respect hereto and disclaims all liability from reliance thereon.
Revision Number and Date:	01 March 2020