

SAFETY DATA SHEET

Issue date : 7/9/2020, According to 91/155

This Safety Data Sheet (SDS) is provided as a courtesy to assist with proper use and safe handling.
Applicable consumer product use and safety information is provided on the product label and is included for easy reference in Section 16 of this SDS.

Section 1: Identification of Product and Company

Product Name	Hand-San
Product Code	DOL
Synonyms	None
Product Use	70% ethyl alcohol based hand sanitiser gel
Restrictions on Use	Follow directions on the product label

Manufacturer Name Address	Elitepac NZ Limited, 5 Hotunui Drive, Mt Wellington, Auckland, New Zealand
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Emergency Telephone Number	New Zealand
Monday – Friday 8am-5pm (except holidays)	+64-9-570 0594
Email:	sales@elitepac.co.nz
Outside these hours	0800 764 766

Section 2: Hazards Identification

Classification		Classified as a dangerous good according to NZS5433: 2007 Class 3 Dangerous Good – Flammable This substance is hazardous according to the <i>HSNO (Minimum Degrees of Hazard) Regulations 2001</i>
Signal Word		DANGER
		HSNO Approval Number: HSR002528 – Cleaning Products (Flammable) Group Standard 2006
Precautionary Statement		Read the label before use. Keep away from sparks, open flames and hot surfaces. No smoking. Keep the container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment where appropriate. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment. Wear eye protection when refilling dispensers.

HSNO Classification	GHS Category	Signal Word	Hazard Code	Hazard Statement
3.1B 	Flammable liquid (High hazard)	Danger	H225	Highly flammable liquid and vapour.
6.3B	Skin irritant	Warning	H316	Causes mild skin irritation.
6.4A 	Eye irritant	Warning	H319	Causes serious eye irritation.

Prevention Code	Prevention Statement
P102	Keep out of the reach of children.
P103	Read Label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fumes/gas/mist/vapour/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective clothing.

Response Code and Statement	Prevention Code Prevention Statement
P101	If medical advice is needed, have product container or label at hand.

SAFETY DATA SHEET

Issue date : 7/9/2020, According to 91/155

P330	Rinse mouth.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention
P370 + P378	In case of fire: Use fire extinguisher for extinction

Storage Code	Storage Statement
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Avoid release to the environment. Dilute contents before disposing. Triple rinse container with water before disposing. If not practicable, crush or puncture the container and dispose in domestic or trade waste container.

Section 3: Composition / Information on Ingredients

Ingredients	Wt%	CAS Number
Ethyl Alcohol	62%	64-17-5
Non-hazardous components	To 100%	7732-18-5

Section 4: First Aid Measures

Recommended on site emergency facilities:

Ready access to running water is required. Accessible eyewash station is required. Emergency Ready access to shower, hand wash.

Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
Skin Contact	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/ attention.
Ingestion	Never give liquid to a person showing signs of reduced awareness or becoming unconscious. Seek medical assistance if needed or contact POISONS CENTRE. Rinse mouth. Drink 1-2 glasses water.
Inhalation:	Remove to fresh air. Rest in a position comfortable for breathing. If exposed or concerned: Seek medical advice/attention.
General	In case of adverse health effects, seek medical advice. If medical advice is needed, have product container or label at hand. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Specific treatment (see cleansing agent, e.g. non-abrasive soap). Take off contaminated clothing and wash before re-use. If exposed or concerned: Seek medical advice/attention.
Equipment at warehouse or bulk handling facility:	Eye wash facility and emergency shower.

Section 5: Fire Fighting Measures

Hazard Type	Flammable – High Hazard
Fire/Explosion Hazard	This product will form flammable mixtures with air when vaporized Isolate, or avoid, ignition sources (electrical and fire). Containers subject to heat from a fire may explode scattering burning contents. Where possible remove containers from the path of the fire. Otherwise cool with water spray to avoid heating.
Hazards from decomposition products	Fumes may be serious eye irritants.
Suitable extinguishing media	Water, foam, CO2, or chemical dry powder to extinguish a local fire. Water spray on large fires only.
Precautions for firefighters and special protective clothing	Standard fire-fighting procedures may be followed, Firefighters wear SCBA and chemical resistant suits. including full protective gear.
HAZCHEM CODE	None Allocated

Section 6: Accidental Release Measures

Protective Clothing Requirements	Wear protective gloves/eye protection/face protection.
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SAFETY DATA SHEET

Issue date : 7/9/2020, According to 91/155

Land Spill or Leaks:	Small spills – Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). Clear area of unprotected personnel. Spills on floors will produce a slippery surface. Shut off, or isolate, all possible sources of ignition. Do not allow any spills, original or diluted, to enter wastewater drains. If material does enter, alert the local drainage authorities. Contain minor (less than 100 litres) from local drainage with any suitable bund or barrier. Where possible dilute with water and contain the resulting solution. Then clean up with mops or any suitable absorbant inert material such as Mineral Sponge, paper, rags, sand or soil. Pack absorbed waste material into drums, which can be closed, for waste disposal. Large spills – bund or dyke to prevent run-off. Large spills from drums should be contained from drains and diluted with water where possible. Alert the local Fire Brigade. Collect absorbed material in open-top drums which can be closed and sent to landfill. Dispose of only in accord with all regulations.
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Section 7: Handling and Storage

Approved Handlers:	When present in quantities greater than 250 L (when in containers greater than 5 L) or 500 L (when in containers up to and including 5 L), a HSNO 3.1B substance must be— (a) under the personal control of an approved handler who holds a current test certificate to manage HSNO class 3 substances; or (b) secured so that a person cannot gain access to the substance without tools, keys, or any other device used for operating locks. A substance may be handled by a person who is not an approved handler if— (a) the approved handler has provided guidance to the person in respect of the handling; and (b) the approved handler is available at all times to provide assistance, if necessary, to the person while the substance is being handled by the person.
Precautions for safe handling:	Keep out of reach of children. Do not breathe dust/fume/gas/mist/ vapours/spray. Avoid breathing dust/fume/gas/mist/ vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Read the label before use. Keep away from sparks, open flames and hot surfaces. No smoking. Keep the container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment where appropriate. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment. Wear eye protection when refilling dispensers.
Conditions for safe storage:	Advisable to segregate from food and feedstuffs. Keep out of direct sunlight. Store in a locked up, well-ventilated place. Keep cool. Store drums and carboys with secure closures. Store in a well-ventilated place. Keep cool. Keep away from heat and ignition sources. Storage in HSNO defined Hazardous Substance Locations and Transit Depots is required for Class 3.1B products where greater than 100 litres is stored in 20 litre carboys and 200 litre drums, and greater than 250 litres is stored in 5 litre jerries. Handle to prevent damage to containers. Should packaging be damaged, repack into clean and dry containers of the same type and mark the product name carefully on the container. Always replace lids and caps after using the product. Return all packages to safe storage as soon as possible after use.

Section 8: Exposure Controls / Personal Protection

Engineering Controls	Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation. Ethanol: WES TWA 1000 ppm.
Personal Protective Equipment	Wear PVC Apron. protective gloves/eye protection/face protection.
Household setting	No special precautions necessary as long as product is used as directed.
Industrial Setting	
Respiratory Protection	Approved respirator for organic vapours when vapor or mist may be generated.
Eye Protection	Goggles or other protective eye wear may be worn for protection.
Skin Protection	Gloves may be worn for protection.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Physical State	Liquid Gel
Colour	Colourless
Clarity	Clear to slightly hazy

SAFETY DATA SHEET

Issue date : 7/9/2020, According to 91/155

Odour	Slight alcohol odour
pH	Approx. 7.0
Melting Point	No data available (Ionic activity will break gel)
Freezing Point	No data available
Initial Boiling Point and Boiling Range	No data for gel
Flash Point	Not Flammable (in gel formula)
Solubility	Soluble in water
Specific Gravity:	0.891
Vapour Pressure	No data available
Evaporation Rate	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	The product is considered stable in normal use.
Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Avoid contact with strong oxidising agents.
Incompatibility	Strong oxidising agents. In general, cleaning products should not be mixed with other chemicals, or unless specifically provided for in the use directions.
Hazardous Decomposition Products	Burning may produce carbon monoxide and carbon dioxide.

Section 11: Toxicological Information

General toxicological information:	No specific data is available for this product. Toxicological data has been evaluated/calculated for the mixture. The product is considered to have the following potential health effects. The evaluation of the product is based on data from the raw material and/or comparable substances. Symptoms or effects that may arise if the product is mishandled and overexposure occurs.
Potential Route(s) of Exposure	Eyes. Skin. Ingestion. Inhalation.
Effects of Acute Exposure	
Acute Oral Toxicity:	Calculations for the mixture comes out at >5000 mg/kg hence no classification required.
Acute Dermal Toxicity:	Calculations for the mixture comes out at >5000 mg/kg hence no classification required.
Inhalation	No Data, May irritate the respiratory tract. May result in nausea, headache and vomiting.
Ingestion:	No Data, Large amounts may cause some central nervous system effects. Possible symptoms include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, loss of consciousness. Other effects may include nausea, vomiting, diarrhea, abdominal pain and chemical burns to the gastrointestinal tract.
Eye Contact:	A severe eye irritant. Contamination of eyes can result in eye injury.
Skin Contact:	Contact with skin will result in mild irritation.
Sensitization:	No data available.
In vitro mutagenicity:	No data available.
Chronic Effects	No data available. Not expected to have chronic health effects.
Toxicity Method:	Calculation

Section 12: Ecological Information

General ecological information:	The ecological evaluation of the product is based on data from the raw material and/or comparable substances.
	General notes: - Do not allow undiluted product or large quantities of it to reach groundwater, water bodies or sewage systems. - Avoid release to the environment
Environmental Precautions:	Avoid release to the environment
Environmental Fate:	Will degrade by bacteriological action in soil and water
Environmental Exposure Limits:	None set

Section 13: Disposal Considerations

Product Waste	Any disposal must be in compliance with New Zealand laws and regulations. Incineration is the preferred method.
Considerations	A substance must be disposed of by: a) exporting the substance from New Zealand as waste; or b) treating the substance so that it is no longer a hazardous substance.

SAFETY DATA SHEET

Issue date : 7/9/2020, According to 91/155

	c) Avoid release to the environment. Dilute contents 5:1 before disposing. Triple rinse containers before re-use or disposal. If bulk containers are not to be reused, crush or puncture so they cannot contain any other liquid. Safe to discard as domestic or commercial rubbish.
Empty Packaging	Remove label if applicable and offer empty containers for recycling. Recycle wherever possible or consult manufacturer for recycling options.

Section 14: Transport Information

NZ Land Transport Rule	Classified as Dangerous Goods for Land Transport in New Zealand Class(es): 3 Label(s): 3
Transport Information	DOT, IMDG, IATA
UN Number:	UN 1219
Dangerous Goods Class:	3
Proper Shipping Name:	PRODUCT SHIPPING NAME
Marine Pollutant	NO
EmS No.:	F-E, S-D
Packing Group:	II
Transport Notes:	Tank wagons and transportable containers of any capacity used to carry a substance must comply with the Hazardous Substances (Tank Wagons and Transportable Containers) Regulations 2004. Where a motor vehicle is transporting a substance in quantities greater than 250L, there must be 2 fire extinguishers present in or on the vehicle. When a substance is carried on a passenger service vehicle, the substance must— 1. be packaged in a sealed container; and 2. not exceed 1L per package.

Section 15: Regulatory Information

HSNO Approval Code:	Classified as a hazardous substance according to the HSNO Classification Regulations 2001 - Flammable
HSNO Controls:	Label or mark containers used to hold this product Do not expose product to any form of ignition source
	Limit and monitor exposure during the use of the product. Make use of suitable equipment for handling the product Wear suitable protective clothing while being used. Limit exposure to the environment Dispose of waste or spilt material only through a recognised expert company

Trigger Quantity	
Location and transit depot test certification	100 L (closed containers greater than 5 L) 250 L (closed containers up to and including 5 L) 50 L (open containers)
Hazardous atmosphere zone	100 L (closed containers) 25 L (decanting) 5 L (open occasionally) 1 L (open containers in continuous use)
Fire extinguishers	250 L
Response plans and secondary containment	100 L (for a HSNO 9.1A substance); or 1,000 L (for all other substances)
Signage	100 L (for a HSNO 9.1A substance); or 250 L (for all other substances)

Section 16: Other Information

Prepared By:	Elitepac NZ Ltd
Issuing Date:	30/09/2006
Version Number	V1
Revision Date:	7/9/2020
Revision Note:	None

1. HSNO Approved Code of Practice: The content and format of this SDS is in accordance with HSNO Approved Code of Practice (No. HSNO COP 8-1 09-06):

SAFETY DATA SHEET

Issue date : 7/9/2020, According to 91/155



Preparation of Safety Data Sheets.

Disclaimer

This document has been compiled by Elitepac NZ Ltd based on information concerning the product which has been provided to Elitepac NZ Ltd by the component manufacturer(s) or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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