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DOCUMENT TITLE **MATERIAL SAFETY DATA SHEET** Page 1 of 5

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING.**

**1. Product identifier**

Product name	HanPro Hand Sanitiser
Type of product	Liquid
Product form	Mixture

**2. Relevant identified uses of the substance or mixture and uses advised against**

Use/purpose:	Hand Sanitiser
Industrial / Professional use spec	Industrial use For professional use
Uses advise against	No information available

**3. Supplier details**

Physical Address	[REDACTED]
Telephone number	[REDACTED]
Fax Number	[REDACTED]

**4. Emergency telephone number**

In the case of an emergency, please contact your local poison control centre.

**SECTION 2: HAZARDS IDENTIFCATION**

**2.1 Classification of the substance /mixture**

Classification according to SANS 10234:2007

Not classified

**2.2. Label elements**

Classification according to SANS 10234:2007

No labelling classification applicable

### SECTION 3: COMPOSITION/INFORMATION ON THE INGREDIENTS

Component	%	CAS NO	Classification	EEC Class	R-Phrases
Ethanol	> 70%		Flam liq2,H225 Eye irrt 2A,H319	F, Xi	R11, R36,R67

### SECTION 4: FIRST AID MEASURES

Inhalation	Should be no effects from limited exposure but remove the patient to fresh air. If breathing is laboured or patient is not breathing, administer artificial respiration. Consult a doctor immediately.
Skin contact	No effect under normal conditions of use but sensitivity to any of the ingredients could lead to irritation but rinse area with water if symptoms arise. Consult a doctor
Eye contact	Flush eyes with clean water for at least 15 minutes and consult a doctor as soon as possible.
Ingestion	Rinse out mouth and drink as much water as possible. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor immediately.

### SECTION 5: FIRE FIGHTING MEASURES

Flammable	
Extinguishing media	Water spray, carbon Dioxide, alcohol resistant foam, dry chemicals, sand.
Specific hazards	Fumes containing sodium oxides may develop under fire conditions.
Protection during fire fighting	Protection of fire fighters: wear positive-pressure, self-contained breathing apparatus and protective fire fighting clothing.

### 6. ACCIDENTAL RELEASE MEASURE

Personal precautions	Use personal protective equipment. Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions	Prevent contamination of surface and ground water. Prevent entry into sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods for cleaning up	Soak up small spills with absorbent material, remove with rubber shovel and collect for disposal for large spills dike and pump into appropriate containers. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contain spillage, soak up with non- combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations.

## 7. HANDLING AND STORAGE

Handling	Avoid inhalation of vapour or mist. Avoid contact with eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking. Provide good ventilation in process area to prevent formation of vapours. Do not breathe vapours.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from children

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use only where access to clean running water is available.	
Protection	Hygiene	Do not swallow
	Hands	None under normal conditions
	Eyes	Avoid eye contact
	Other	None under normal conditions
	Skin/body	None under normal conditions. For prolonged or repeated skin contact check for any allergies
Respiratory Equipment		None under normal conditions
Environmental Exposure Controls		If risk of water pollution occurs, notify appropriate authorities

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Physical State	Viscous liquid
	Colour	Blue
Odour	Alcohol	
pH	5.5-7.5	
Specific temperatures	Melting	-
	Boiling	-
Flammability characteristics	Flash Point	-
	Ignition Temperature	-
	Explosion Limits	-
Vapour pressure	-	
Solubility	In water	Fully miscible
	In organic solvents	-

## 10. STABILITY AND REACTIVITY

Stability	Stable under normal storage conditions	
Reactivity	Materials to avoid	Strong oxidizing agents.
	Hazardous Decomposition products	No data available.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 oral - rat - 5045 mg/kg LC50 Inhalation - rat - 8 h - 16000 ppm LD50 Dermal - rabbit - 12.800 mg/kg
Carcinogenicity	No data available.
Potential health effects	No data available.

## 12. ECOLOGICAL INFORMATION

Toxicity	Fish	Ethanol LC50 - Pimephales promelas (fathead minnow) - 9.640,00 mg/l - 96 h
	Daphnia	Ethanol EC50 - Daphnia magna (Water flea)- 5.102,00 mg/l - 24 h Immobilization EC50 - Daphnia magna (Water flea) - 6.851 mg/l - 24 h
	Algae	Ethanol EC50 - Desmodesmus subspicatus (green algae) - > 2.000,00 mg/l - 72 h EC50 - Algae - > 1.000,00 mg/l - 24 h
Biodegradability	Alcohol Ethoxylate >60% biodegradability	
Bio accumulative Potential	No data available.	

## 13. DISPOSAL CONSIDERATIONS

Product waste disposal recommendation	Avoid release to the environment. Collect in appropriate containers and dispose of in accordance with local regulations.
Contaminated packaging	Avoid release to the environment. Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

UN NUMBER:	No regulated for transport
PACKAGING GROUP:	Not applicable
MARINE POLLUTANT:	No
RAIL/ROAD (RID/ADR):	No additional information available
SEA (IMO/IMDG):	No additional information available
AIR (ICAO/IATA):	No additional information available

## 15. REGULATORY INFORMATION

EEC regulations	-	
S-Phrases	S2	Keep out of reach of children
	S23	Do not breath gas/fumes/vapour/mist
	S25	Avoid contact with eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S46	If swallowed, seek medical advice immediately and show this container
	S57	Use proper containment to prevent environmental contamination
	S61	Avoid release into the environment

## 16 OTHER INFORMATION

The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended.

The classification was effectuated according to information derived from technical literature and supplier companies.

Information included in this document is based on our present state of knowledge; however, they do not assure the product properties and do not assume any legal condition.

The material safety data sheet completes the product information without replacing it.