

# DATA SHEETS

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# 1. TECHNICAL DATA

## 1.1 DESCRIPTION

**SANiTe**<sup>®</sup> is a 70% alcohol based liquid spray or gel hand sanitizer. Containing emollients and softeners as to not dry out the hands. Designed to clean and disinfect hands. It is effective for hygiene control with residual action. It is mildly fragranced.

**SANiTe**<sup>®</sup> can also be used for sanitizing hard surfaces. **SANiTe**<sup>®</sup> is safe for use in direct food contact applications and complies with BS EN 1276 when used as directed.

## 1.2 USAGE & BENEFITS

**SANiTe**<sup>®</sup> gel can be used in numerous apparatus such as automatic or manual dispensers, pump bottles or squeeze bottles.

**SANiTe**<sup>®</sup> spray can be used in a variety of spray bottles.

**SANiTe**<sup>®</sup> Benefits:

- Disinfects
- Biodegradable
- Leaves hands feeling moisturized
- Non-Irritating to the skin
- Economical

## 1.3 DIRECTIONS

### 1.3.1 FOR HANDS:

Apply 2-4ml **SANiTe**<sup>®</sup> onto dry hands, rub and evenly spread the liquid across the palm and back of both hands, rubbing inbetween the fingers and around the back of the thumbs. Allow to dry. Hands are not to be rinsed after application.

### 1.3.2 FOR SURFACES:

After cleaning surfaces apply more than 50% of the area by means of spray bottle and allow minimum contact time of 5 minutes. Wipe surfaces after use. Rinse off with clean water if used on food contact surfaces.

## 1.4 GENERAL

All data supplied is based on laboratory tests conducted at 20°C, and 50% Relative Humidity. Atmospheric conditions may require adaptation to suite circumstances.

## 1.5 WARNING

Do not ingest. Keep away from children and pets. Do not empty into a drain. Do not allow contact with the eyes. Unless recommended by the manufacturer, do not mix with other substances. With spillages wear rubber gloves, and in the event of prolonged contamination, rinse thoroughly with cold water. Seek medical attention if irritation persists. Consult our Material Safety Data Sheet for more information. Use the contents within 24 months of date of manufacture. Avoid contamination of foodstuffs. Store in closed containers in a dry place at a temperature not higher than 30°C, protected from intense light and away from flammable material. Consult our Material Safety Data Sheet for more information.

## 1.6 IMPORTANT NOTICE

The information supplied in our literature or given by our employees is given in good faith. We reserve the right to update this information at any time without prior notice. We guarantee the consistent high quality of our products. We accept no liability for any loss or damage which may arise as a result thereof.

## 2. MATERIAL SAFETY DATA

### 2.1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Name of substance/preparation: Ethanol Alcohol Gel

Commercial product name:..... **SANiTe**<sup>®</sup> hand and surface sanitiser

#### 2.1.1 COMPANY NAME

Manufacturer:.....iTe Products (Pty) Ltd

Street:.....7 Clarke Street South

State/postal code/city:.....Alrode, 1451

Telephone:.....+27 11 864 4918

Telefax:.....+27 11 864 2123

Information about the Safety Data Sheet:.....+27 11 864 4918

eMail:.....info@iteproducts.co.za

Emergency Contact number.....+27 11 864 4918

### 2.2 HAZARDS IDENTIFICATION

#### 2.2.1 HAZCHEM CODE: 2[S]2

#### 2.2.2 CLASSIFICATION

Inhalation, Ingestion, skin and eye contact

Effects of Exposure/symptoms: Inhalation of vapours irritates the respiratory tract. Overexposure has a narcotic effect producing symptoms of dizziness, drowsiness, headache, staggering, unconsciousness & possibly death. May cause irritation to skin and eyes with redness & pain.

#### 2.2.3 HAZARD PICTOGRAMS (GHS-US) :



Signal word : Danger

#### 2.2.4 HAZARD STATEMENTS :

H226 - Flammable liquid and vapour

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H361 - Suspected of damaging fertility or the unborn child

H370 - Causes damage to organs (central nervous system, optic nerve) (oral, Dermal)

#### 2.2.5 PRECAUTIONARY STATEMENTS:

P102 Keep out of reach of children.

P103 Read label before use.

P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking.

P233 - Keep container tightly closed.

P243 Take precautionary measures against static discharge

P260 - Do not breathe mist, spray, vapors.

P271 - Use only outdoors or in a well-ventilated area.

## 2.2.6 GHS CLASSIFICATION:

### Health

Acute inhalation toxicity	Narcotic if inhaled	Danger
Eye Irritation	Causes eye irritation	Warning
Aspiration hazard	May cause pneumonitis	Danger

### Physical

Flammability	Flammable liquid	Danger – High Risk
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## 2.3 COMPOSITION/INFORMATION ON INGREDIENTS

### 2.3.1 CHEMICAL CHARACTERIZATION:

Name	Product identifier	%	GHS-US classification
Ethanol	Ethyl alcohol - CAS # 64-17-5.	65 - 75	Flam. Liq. 2, H225 Carc. 1A, H350 Repr. 2, H361
Water	(CAS-No.) 7732-18-5	25 - 35	Not Hazardous
Hydrogenated Castor Oil, ethoxylated	(CAS-No.) 61788-85-0	< 0.2	Not Available
Betaine Anhydrous	(CAS-No.) 107-43-7	1.5 - 2.5	Not Hazardous
Glutamic acid, N,N-diacetic acid, tetrasodium salt, 38% aqueous solution	N/A	0.04 - 0.07	Not Available
D-Limonene	(CAS-No.) 5989-27-5	0.8 - 1.5	Not Available
Hydroxyethylcellulose	(CAS-No.) 9004-62-0	0.4 - 1	Not Hazardous
Hydrogen Peroxide	CAS NO 7722-84-1	0.3 - 0.6	Oxidizer Corrosive

Ethanol Denatured Alcohol 96.4% – 6-7 PH finished product

Final Concentration

- Ethanol 70% (v/v)
- Hydrogenated Castor Oil (0.2%)
- Hydrogen Peroxide (0.125% v/v)
- Skin care additives (Osmolyte) (1%)
- Delimonene essential oils and fragrance (0.2%)

### 2.3.2 DESCRIPTION:

Gel and Spray-Grade Hand Sanitizer.

## 2.4 FIRST-AID MEASURES

### 2.4.1 FIRST-AID MEASURES GENERAL

Check the vital functions. Unconscious: maintain adequate airway and respiration,

Respiratory arrest: artificial respiration or oxygen.

Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half seated victim. Victim in shock: on back with legs slightly raised. Vomiting: prevent asphyxia/aspiration Pneumonia. Prevent

cooling by covering the victim. (no warming up) observe victim, give psychological aid. Keep victim calm. Avoid physical strain. Depending on the victims condition: doctor or hospital. Never give alcohol to consume/ drink.

#### **2.4.2 FIRST-AID MEASURES AFTER INHALATION:**

Remove victim into fresh air. Respiratory problems: consult a doctor/medical service.

#### **2.4.3 FIRST-AID MEASURES AFTER EXCESSIVE SKIN CONTACT:**

Rinse with water. Take victim to a doctor if irritation persists.

#### **2.4.4 FIRST-AID MEASURES AFTER EYE CONTACT:**

Rinse immediately with plenty of water. Do not apply neutralising agents. Take victim to an ophthalmologist if irritation persists.

#### **2.4.5 FIRST-AID MEASURES AFTER INGESTION:**

Rinse mouth with water. Do not induce vomiting. Consult a doctor/medical service if unwell. Ingestion of large quantities straight to hospital.

#### **2.4.6 NOTE TO PHYSICIAN:**

Symptoms will vary with alcohol levels in the blood. Mild intoxication occurs at blood alcohol levels between inse 0.050.15%. Approximately 25% of individuals show signs of intoxication at these levels. Above 0.15% The person is definitely under the influence of ethanol; 50-95% of individuals are clinically intoxicated at these levels. Severe poisoning occurs when the blood ethanol level is 0.3- 0.5%. above 0.5% the individual will become comatose and death can occur.the unabsorbed ethanol must be removed by gastric lavage after intubating the patient to prevent aspiration. Avoid the use of depressant drugs and administering excessive amounts of fluid.

## **2.5 FIRE-FIGHTING MEASURES**

### **2.5.1 FIRE FIGHTING MEDIA**

Water spray, dry chemical, alcohol foam, or Carbon dioxide.

Water spray may be used to keep fireexposed containers cool.

### **2.5.2 FIRE FIGHTING PROCEDURES**

In the event of a fire, wear full protective clothing and NISOH approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

### **2.5.3 UNUSUAL HAZARDS**

Above flash point, vapour-air mixtures are explosive within flammable limits noted above. Contact with strong oxidiser may cause fire or explosion.

## **2.6 ACCIDENTAL RELEASE MEASURES**

### **2.6.1 PERSONAL PRECAUTIONS**

Wear personal protective equipment. Be aware of slippage.

Ensure adequate ventilation.

No smoking, Naked lights or flames.

### **2.6.2 ENVIRONMENTAL PRECAUTIONS**

Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

### **2.6.3 METHODS FOR CLEANING UP**

Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material. (e.g. vermiculite, dry sand, earth.)

### **2.6.4 SECONDARY DISASTER PREVENTION MEASURES**

Should the product be stored in large quantities the following recommendations are made:  
 Assess the storage area and ensure it is suitably equipped to handle flammable materials.  
 Ensure storage vessels / containers are correctly earthed and that the potential electrical difference is 0 to ensure no static buildup.  
 Store away from potential ignition sources.  
 Ensure storage facilities have containment areas to ensure that spillage can be contained and not effect the environment.  
 Ensure adequate ventilation is available so that vapour or fumes do not build up to explosive levels.

## 2.7 FURTHER INFORMATION:

Information contained in this MSDS is believed to be reliable but no representation; guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them.

## 2.8 HANDLING AND STORAGE

### 2.8.1 HANDLING

Avoid Heat possible ignition sources and electrostatic charges during Handling  
 Keep away from Naked flames, heat or potential ignition sources.  
 Use flameproof electrical equipment when pumping or decanting.  
 Ensure adequate ventilation and measure concentration in the air regularly.

### 2.8.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical measures	Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/... equipment
Storage conditions	Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from : incompatible materials. Keep in fireproof place
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight. Heat sources.
Prohibitions on mixed storage	KEEP SUBSTANCE AWAY FROM: oxidizing agents. strong acids. water/moisture.
Storage area	Keep out of direct sunlight. Store in a dry area. Ventilation at floor level. Fireproof storeroom. Provide for an automatic sprinkler system. Provide for a tub to collect spills. Provide the tank with earthing. Meet the legal requirements
Special rules on packaging	SPECIAL REQUIREMENTS: closing. dry. clean. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers
Packaging materials	SUITABLE MATERIAL: stainless steel. aluminium. iron. copper. nickel. synthetic material. glass. MATERIAL TO AVOID: No data available.

### 2.8.3 STORAGE

Store in a cool, dry well-ventilated location, out of direct sunlight and apart from flammable materials, food products and packaging materials. Unopened containers have a shelf life of 1 year. Contents should be used within 24 months from date of manufacture.

#### 2.8.4 EXPOSURE AND CONTROLS

Keep away from heat source and open flames as product is flammable.

Suitable PPE to be worn, gloves and goggles, when handling bulk materials.

## 2.9 PHYSICAL AND CHEMICAL PROPERTIES

### 2.9.1 GENERAL INFORMATION

Physical state	Liquid / Gel
Appearance	Liquid / Gel
Molecular mass	47.6 g/mol
Color	Transparent Pink Liquid / Transparent Blue Gel
Odor	Alcohol odour. Pleasant odour. Citrus odour
Odor threshold	100 ppm 188 mg/m <sup>3</sup>
pH	6 - 7.5
Relative evaporation rate	1.53
Melting point	-115 °C
Freezing point	No data available
Boiling point	78 °C
Flash point	25 °C
Critical temperature	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	59 hPa (20 °C)
Vapor pressure at 50 °C	300 hPa (50 °C)
Critical pressure	No data available
Relative vapor density at 20 °C	No data available
Relative density	No data available
Relative density of saturated gas/air mixture	1.04
Specific gravity / density	0.78 g/l

## 2.10 STABILITY AND REACTIVITY

### 2.10.1 REACTIVITY UPON COMBUSTION:

CO (carbon Monoxide) CO<sub>2</sub> (Carbon Dioxide) are formed.

Reacts violently with many compounds, such as (strong) oxidisers, increased risk of fire and explosion, violent to explosive reaction with some acids

### 2.10.2 CHEMICAL STABILITY HYGROSCOPIC.

**2.10.3 POSSIBILITY OF HAZARDOUS REACTIONS NOT ESTABLISHED.**

**2.10.4 CONDITIONS TO AVOID:**

*Direct sunlight, Extreme temperatures and open flames.*

**2.10.5 INCOMPATIBLE MATERIALS:**

*Strong acids and Strong Bases.*

**2.10.6 HAZARDOUS DECOMPOSITION PRODUCTS FUME:**

*Carbon Monoxide, Carbon Dioxide. May release flammable gasses.*

## **2.11 TOXICOLOGICAL INFORMATION**

**2.11.1 ACUTE TOXICITY : NOT CLASSIFIED**

*Skin corrosion/irritation : Causes skin irritation.*

*Serious eye damage/irritation : Causes serious eye irritation.*

*Respiratory or skin sensitization : Not classified Germ cell mutagenicity : Not classified Based on available data, the classification criteria are not met Carcinogenicity : May cause cancer (Ingestion).*

*Reproductive toxicity : Suspected of damaging the unborn child (Ingestion). Based on available data, the classification criteria are not met*

*Specific target organ toxicity – single exposure : Causes damage to organs (central nervous system, optic nerve) (oral, Dermal).*

*Specific target organ toxicity – repeated exposure : Not classified Based on available data, the classification criteria are not met*

*Aspiration hazard : Not classified Based on available data, the classification criteria are not met*

*Potential Adverse human health effects and symptoms : Harmful if swallowed. Based on available data, the classification criteria are not met.*

*Symptoms/effects after inhalation :*

**2.11.2 EXPOSURE TO HIGH CONCENTRATIONS:**

*Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes.*

*Respiratory difficulties. Central nervous system depression. Symptoms similar to those listed under ingestion.*

*Symptoms/effects after skin contact : Slight irritation. Symptoms/effects after eye contact : Redness of the eye tissue. Lacrimation. On continuous exposure/contact: Irritation of the eye tissue.*

## **2.12 ECOLOGICAL INFORMATION**

*No additional information available.*

*Readily biodegradable in water: Not established*

*Biodegradable in soil: Not established*

*Highly mobile in soil: Not established*

## **2.13 DISPOSAL CONSIDERATIONS**

**2.13.1 WASTE DISPOSAL RECOMMENDATIONS :**

*Remove waste in accordance with local and/or national regulations.*

*Hazardous waste shall not be mixed together with other waste.*

*Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste.*

*Hazardous waste shall be managed responsibly.*

*All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.*

*Recycle by distillation. Remove to an authorized waste incinerator for solvents Do not discharge into surface water. Avoid release to the environment.*



## 2.14 TRANSPORT INFORMATION

*In accordance with DOT Transport document description :*

*UN1987 Alcohols, n.o.s., 3, II*

*UN-No.(DOT) : 1987*

*DOT NA no. : UN1987*

*Proper Shipping Name (DOT) : Alcohols, n.o.s.*

*Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120*

*Hazard labels (DOT) : 3 - Flammable liquid*

*Packing group (DOT) : II - Medium Danger*

*DOT Special Provisions (49 CFR 172.102) : 172 - This entry includes alcohol mixtures containing up to 5% petroleum products. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F). TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.*

*DOT Packaging Exceptions (49 CFR 173.xxx) : 4b;150*

*DOT Packaging Non Bulk (49 CFR 173.xxx) : 202*

*DOT Packaging Bulk (49 CFR 173.xxx) : 242*

*DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L*

*DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L*

*DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.*

## 2.15 REGULATORY INFORMATION

*PHYSICAL HAZARD - Flammable (GASES, AEROSOLS, LIQUIDS, OR SOLIDS)*

*HEALTH HAZARD - Skin Corrosion or irritation*

*HEALTH HAZARD - Serious eye damage or eye irritation*

*No additional information available.*

## 2.16 OTHER INFORMATION

*The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.*

*User assumes all risk of use, storage and handling of the product in compliance with applicable laws and regulations.*

*It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.*