



## 1. PRODUCT IDENTIFICATION AND COMPANY NAME

|                              |   |  |
|------------------------------|---|--|
| <b>Trade Name</b>            | : | Hand Sanitiser   |
| <b>Description</b>           | : | Hand Sanitiser 83.33% (v/v) Ehtanol 95 IPA             |
| <b>Product Code</b>          | : | HANDSANT05   |
| <b>Supplier/Manufacturer</b> | : | Universal Coatings (Pty) Ltd                           |
| <b>Address</b>               | : | 17 Precision Street, Kya Sands, Randburg, South Africa |
| <b>Contact</b>               | : | R. Diab  |
| <b>Tel</b>                   | : | (+27) 11 462 4284                                      |
| <b>Fax</b>                   | : | (+27) 11 462 4293                                      |
| <b>Customs Tariff</b>        | : | 3402.20  |
| <b>Origin</b>                | : | Republic of South Africa                               |

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

|             |   |                                  |
|-------------|---|----------------------------------|
| <b>H225</b> | : | Highly flammable liquid & vapor. |
| <b>H319</b> | : | Causes serious eye irritation.   |

### 2.2 Label elements: The substance is classified and labelled according to the Globally Harmonised System (GHS)

#### Hazard Statements:

|             |   |                                  |
|-------------|---|----------------------------------|
| <b>H225</b> | : | Highly flammable liquid & vapor. |
| <b>H319</b> | : | Causes serious eye irritation.   |

#### Precautionary statements (Prevention):

|             |   |  |
|-------------|---|--|
| <b>P280</b> | : | Wear Protective gloves/protective clothing/eye protection/face protection.                   |
| <b>P210</b> | : | Keep away from heat, hot suraces, sparks,open flames and other ignition sources. No smoking. |
| <b>P241</b> | : | Use explosion-proof electrical/ventilatin/lighting/equipment.                                |
| <b>P264</b> | : | Wash with plenty of water and soap thoroughly after handling.                                |
| <b>P240</b> | : | Ground/bond container and receiving equipment.   |
| <b>P242</b> | : | Use only non-sparking tools.   |

#### Precautionary statements (Response):

|                           |   |  |
|---------------------------|---|--|
| <b>P305 + P351 + P338</b> | : | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| <b>P303 + P361 + P353</b> | : | IF ON SKIN: (or nail): Take off immediately all contaminated clothing. Rinse skin with water / shower.                           |
| <b>P370 + P378</b>        | : | IN case of FIRE: Use Foam or dry powder for extinction.  |
| <b>P337 + P313</b>        | : | If eye irritation persists, get medical advice / attention.  |

#### Precautionary statements (Storage):

|                          |   |   |
|--------------------------|---|---|
| <b>P403 +P235 + P233</b> | : | Store in well-ventilated place. Keep cool. Keep container tightly closed. |
|--------------------------|---|---|

#### Precautionary statements (Disposal):

|             |   |   |
|-------------|---|---|
| <b>P501</b> | : | Dispose of contents / container to hazardous or special waste collection sites. |
|-------------|---|---|

## 3. COMPOSITION

**3.1 Substances** : Not applicable

### 3.2 Mixtures:

**Chemical nature of the mixture:**

Hazardous ingredients (GHS)  
According to Regulation (EC) No. 200-578-6

**Ethanol** ≥ 94% (v/v)  
CAS Number: 64-17-5      Flam Lq.2 (H225)  
EC-Number: 200-578-6

**Propanol** ≤ 6% (v/v)  
CAS Number: 67-63-0  
EC Number: 200-661-7

**Glycerine**  
CAS Number: 56-81-5  
EC-Number: 200-289-5

**Hydrogen Peroxide** 3%  
CAS Number: 7722-84-1  
EC Number: 231-765-0

**Water deionized**  
CAS Number: 7732-18-5  
EC Number: 231-791-2

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in Section 16.

## 4. FIRST AID MEASURES

**Inhalation** : Remove patient to fresh air, keep warm and at rest. If recovery is not rapid, seek immediate medical attention.

**Eye Contact** : Flush eyes with plenty of water. If irritation persists,

**Ingestion** : seek medical attention.

: Do not induce vomiting. Rinse mouth with water. Seek immediate medical attention.

**Skin Contact** : Clean with a proprietary cleanser and wash with soap and water, do not use solvents. Remove contaminated clothing and clean before re-use. If symptoms occur, seek medical attention.

**Most Important symptoms / effects, acute and delayed** : Refer to Section 11

**Risks** : First aider needs to protect himself.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing Media** : Dry powder or foam and water.

**Special Exposure Hazards** : Do not allow run-off from fire - fighting to enter drains or water courses.

**Protective Equipment** : Self-contained breathing apparatus is recommended.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions** : Ensure adequate ventilation. Prevent eye contact. Keep away from source of ignition – NO SMOKING.
- Environmental Precautions** : Prevent entry to drains, sewers or watercourses.
- Cleaning** : Contain spillage with sand, earth or approved absorbent. Place in suitable container, using spark proof equipment and dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

- Handling** : Ensure storage vessels and transfer equipment is earthed. Naked flames and other sources of ignition must not be present. Handle in well ventilated areas. Avoid contact with skin and eyes. Do not breathe vapor / spray.
- Storage** : Suitable materials for storage are stainless steel and plastic containers. Drums should be stored at ambient temperature. Can be stored outside well away from workplace or inflammable store. Store between 15°C and 30°C.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### NATIONAL OCCUPATIONAL EXPOSURE LIMIT (OEL):

| Components    | Type | Control Parameter       | Update | Basis             |
|---------------|------|-------------------------|--------|-------------------|
| Ethyl Alcohol | TWA  | 1,900 mg/m <sup>3</sup> | 1995   | South Africa RELs |
| Ethanol       | TWA  | 1,000 ppm               | 1995   | South Africa RELs |

- Engineering Measures** : Provide adequate general air exchange / ventilation.
- Respiratory Protection** : Normal-working conditions should have adequate ventilation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Clear
- Odour** : Alcohol like
- PH** : 7
- Boiling Point** : 78.2°C - 79.2°C
- Flash Point** : 12°C to 16°C
- Evaporation Rate** : Not determined
- Flammability** : Not determined
- Density** : 0.85 ± 0.01
- Solubility in Water** : Completely miscible, completely soluble

## 10. STABILITY AND REACTIVITY

- Stability** : Stable under normal conditions.
- Conditions to Avoid** : Avoid heat, flames, and other sources of ignition.
- Materials to Avoid** : Avoid accumulation of static electricity.
- Hazardous Decomposition Products** : Oxidizing agents. Sulphuric acid. Nitric acid.
- : Thermal decomposition or burning will release oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity Ethanol: LD50 rat: 7,060 mg/kg: literature value.
- Acute inhalation toxicity Ethanol: LD50 rat: 66,000 mg/l; literature value: 4 hours.
- Acute dermal toxicity Ethanol: LDLo rabbit: 20,000 mg/kg: literature value.

|                             |   |  |
|-----------------------------|---|--|
| <b>Inhalation</b>           | : | May cause transient irritation to the respiratory system. Exposure to high vapor concentrations may cause central nervous system depression or systematic effects similar to those of ingestion. |
| <b>Ingestion</b>            | : | May cause nausea, vomiting, dizziness and depression of CNS. Aspiration during swallowing or vomiting may severely damage the lungs.   |
| <b>Skin Contact</b>         | : | Repeated or prolonged contact may cause mild irritation and/or drying (defatting) of skin.   |
| <b>Eye Contact</b>          | : | May cause eye irritation.  |
| <b>Other Health Effects</b> | : | Adverse effects on male reproductive system have been reported in laboratory animals on prolonged exposure. Inconsistent mutagenic activity has been reported.                                   |
| <b>Route of Entry</b>       | : | Inhalation.  |

### ACUTE TOXITY DATA

|            |        |                    |                                 |
|------------|--------|--------------------|---------------------------------|
| Oral       | Rat    | Acute LD50         | > 2000 mg/kg (literature value) |
| Dermal     | Rabbit | Acute LD50         | > 2000 mg/kg (literature value) |
| Inhalation | Mouse  | Acute LC50 4 hours | > 20 mg/l (literature value)    |

## 12. ECOLOGICAL INFORMATION

|   |   |   |
|---|---|---|
| <b>Aquatic Toxicity Fish</b>              | : | Static test: Leuciscus idus: 48h >100mg/l: OECD Test Guideline 203: (literature value)  |
| <b>Aquatic Toxicity Daphnia</b>           | : | Static Test: Daphnia magna (Water flea): 24h: EC50 > 100mg/l (literature value)   |
| <b>Aquatic Toxicity Algae</b>             | : | Static test: Chlorella pyrenoidosal EC50: >100mg/l: OECD Test Guideline 201: (literature value)   |
| <b>Biodegradability</b>                   | : | Aerobic: 70%: 5d: Readily biodegradable: OECD Guideline 301D: (literature value)  |
| <b>Results of PBT and vPvB Assessment</b> | : | This substance is not considered to be persistent, bio-accumulating and toxic (PBT). This substance is not considered to be very persistent and very bio-accumulating (vPvB). |

## 13. DISPOSAL CONSIDERATIONS

This material and /or its container must be disposed of as hazardous waste in accordance with national legislations.

## 14. TRANSPORT INFORMATION

|                                |   |                 |
|--------------------------------|---|-----------------|
| <b>UN Number</b>               | : | 1170            |
| <b>Hazchem Code</b>            | : | 2 (S) E: 3 (S)E |
| <b>UN Packaging Group</b>      | : | II: F1          |
| <b>RID / ADR / IMDG</b>        | : | Class 3         |
| <b>UN Proper Shipping Name</b> | : | Ethanol 95 IPA  |



# SAFETY DATA SHEET

DATA SHEET REV 1 OF 2020

UQD/W03

## 15. REGULATORY INFORMATION

EEC hazard classification : 200-578-6  
Risk phases : H225

## 16. OTHER INFORMATION

**Full text of the classification, including the hazard classes and hazard elements, if mentioned in Section 2 or 3: Risk phases**

H225 : Highly flammable liquid & vapor.  
H319 : Causes serious eye irritation.  
H336 : May cause drowsiness or dizziness.