



**SASOL**

# Safety Data Sheet

## Sanitizer WHO recommended handrub formulation

Version 1.00

Revision Date 01.04.2020

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

**Product identifier**

**Trade name** Sanitizer WHO recommended handrub formulation

**Synonyms** Hand sanitizer, WHO made Hand Sanitizer

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

**Use** Hand sanitizer to help reduce viral and bacterial counts which may cause disease

**Manufacturer or supplier's details**

**Company** Sasol Chemicals, a division of Sasol South Africa Ltd

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Sandton  
2090  
South Africa

**Telephone** +27103445000

**E-mail address** sasolchem.info.sa@sasol.com

**Emergency telephone number** +44 (0)1235 239 670 (Europe, Israel, Africa, Americas)  
+44(0)1235 239 671 (Middle East, Arabic African countries)  
+65 3158 1074 (Asia Pacific)  
+86 10 5100 3039 (China)  
+27 (0)17 610 4444 (South Africa)  
+61 (2) 8014 4558 (Australia)

### SECTION 2. Hazards identification

**Classification of the substance or mixture**

**REGULATION (EC) No 1272/2008**

<b>Classification</b>	Flammable liquids	Category 2
	Eye irritation	Category 2

**Label elements**

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### REGULATION (EC) No 1272/2008

Hazard pictograms



Signal word

:

Danger

Hazard statements

:

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

### Precautionary statements

**Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.

**Response**

P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage**

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

**Disposal**

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.



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### SECTION 3. Composition/information on ingredients

#### Mixture

##### Ethanol

**Contents:** >= 79.00 %VOL/VOL

**CAS-No.** 64-17-5

**Index-No.** 603-002-00-5

**EC-No.** 200-578-6

**Hazard statements** *H225 H319*

##### hydrogen peroxide solution

**Contents:** >= 0.125 %VOL/VOL

**CAS-No.** 7722-84-1

**Index-No.** 008-003-00-9

**EC-No.** 231-765-0

**Hazard statements** *NA:*

##### glycerol

**Contents:** >= 1.45 %VOL/VOL

**CAS-No.** 56-81-5

**Index-No.**

**EC-No.** 200-289-5

##### Water

**Contents:** >= 19.00 %VOL/VOL

**CAS-No.** 7732-18-5

**Index-No.**

**EC-No.** 231-791-2



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### SECTION 4. First aid measures

#### Description of necessary first-aid measures

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
<b>Skin contact</b>	Get medical attention immediately if irritation persists.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

#### Most important symptoms/effects, acute and delayed

Refer to SECTION 11

<b>Risks</b>	First aider needs to protect himself.
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### SECTION 5. Firefighting measures

<b>Suitable extinguishing media</b>	Water spray. Dry powder. Foam.
<b>Special hazards arising from the substance or mixture</b>	Do not allow run-off from fire fighting to enter drains or water courses. Heating can cause expansion or decomposition. This may lead to violent rupture of containers.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.

### SECTION 6. Accidental release measures

<b>Personal precautions</b>	Ensure adequate ventilation. Keep away from sources of ignition - No smoking.
<b>Environmental precautions</b>	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. If contamination of crops, sewers or



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**Methods for cleaning up** waterways has occurred advise local emergency services.  
Small spills: Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal. Large spills: If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Use a spark-free shovel.

**Reference to other sections** Refer to section 8 and 13

### SECTION 7. Handling and storage

**Safe handling advice** Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking.

**Advice on protection against fire and explosion** Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Take measures to prevent the build up of electrostatic charge.

**Requirements for storage areas and containers** Keep containers tightly closed in a cool, well-ventilated place.

**Advice on common storage** Handle empty containers with care because residual vapours are flammable.

### SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
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ETHYL ALCOHOL	TWA	1,900 mg/m3	1995	South Africa RELs
ETHANOL	TWA	1,000 ppm	1995	South Africa RELs

### Exposure controls

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

#### Personal protective equipment

<b>Respiratory protection</b>	Not required for normal conditions of use
<b>Hand protection</b>	Gloves suitable for permanent contact: No hand protection required under normal conditions.
<b>Eye protection</b>	Not required for normal conditions of use
<b>Skin and body protection</b>	Not required for normal conditions of use
<b>Hygiene measures</b>	Keep away from food, drink and animal foodstuffs. Wash hands before breaks and at the end of workday. Avoid prolonged contact with eyes, skin and clothing.

## SECTION 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Form</b>	Liquid
<b>State of matter</b>	Liquid
<b>Colour</b>	Clear, colourless liquid
<b>Odour</b>	Alcohol-like
<b>Odour Threshold</b>	No data available
<b>pH</b>	7.5
<b>Flash point</b>	17.5 ° C; 1,013 hPa
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Density</b>	0.81 g/cm3
<b>Viscosity, kinematic</b>	No data available



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#### SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	Strong sunlight for prolonged periods. Heat Open flame
<b>Materials to avoid</b>	Oxidizing agents. Reducing agents Acids and bases
<b>Hazardous decomposition products</b>	No decomposition if stored normally.

#### SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	Ethanol: LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 401; GLP: no (literature value)
<b>Acute inhalation toxicity</b>	Ethanol: LC50 Mouse: 4 h; vapour; > 20 mg/l; (literature value)
<b>Acute dermal toxicity</b>	Ethanol: LD50 Dermal Rabbit: > 2,000 mg/kg; OECD Test Guideline 402; (literature value)
<b>Skin irritation</b>	Ethanol: Rabbit: Not irritating; OECD Test Guideline 404 (literature value)
<b>Sensitisation</b>	Ethanol: Maximisation Test; Guinea pig: Not sensitizing; OECD Test Guideline 406; (literature value)

#### SECTION 12. Ecological information

<b>Toxicity to fish</b>	Ethanol: static test; Leuciscus idus; 48 h; LC50; > 100 mg/l; OECD Test Guideline 203; (literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Ethanol: static test; Daphnia magna (Water flea); 24 h; EC50; > 100 mg/l(literature value)



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<b>Toxicity to algae</b>	Ethanol: static test; Chlorella pyrenoidosa EC50; > 100 mg/l; OECD Test Guideline 201; (literature value)
<b>Toxicity to bacteria</b>	Ethanol: Pseudomonas putida; 16 h; 6,500 mg/l; Toxicity to bacteria
<b>Biodegradability</b>	Ethanol: aerobic; > 70 %; 5 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)
<b>Chemical Oxygen Demand (COD)</b>	Ethanol: ca. 1,700 mg/g; Directive 84/449/EEC, C.9; GLP: no;

#### SECTION 13. Disposal considerations

**Product** In accordance with local and national regulations.

#### SECTION 14. Transport information

##### ADR

**UN number:** 1170  
**Class:** 3  
**Packaging group:** II; F1;  
**Proper shipping name:** ETHANOL

##### RID

**UN number:** 1170  
**Class:** 3  
**Packaging group:** II; F1  
**Proper shipping name:** ETHANOL

##### IMDG

**UN number:** 1170  
**Class:** 3  
**EmS:** F-E, S-D  
**Packaging group:** II  
**Proper shipping name:** ETHANOL

##### ICAO/IATA

**UN number :** 1170





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**Class:** 3  
**Packaging group:** II  
**Proper shipping name:** ETHANOL

### SECTION 15. Regulatory information

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

Canada. DSL - Domestic Substances List, part of CEPA	All chemical constituents are listed in: Canada. DSL - Domestic Substances List, part of CEPA (See chapter 3)
Australia. AICS - Australian Inventory of Chemical Substances	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
New Zealand Inventory of Chemical Substances	All chemical constituents are listed in: New Zealand Inventory of Chemical Substances (See chapter 3)
Japan. ENCS - Existing and New Chemical Substances Inventory	All chemical constituents are listed in: Japan. ENCS - Existing and New Chemical Substances Inventory (See chapter 3)
Japan. Industrial Safety and Health Law - Inventory	<b>Components Not listed</b> Water
Korea. KECI - Korean Existing Chemicals Inventory	All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)
China. IECSC - Inventory of Existing Chemical Substances in China	All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)
Taiwan. Chemical Substances Inventory (TCSI)	All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)



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### SECTION 16. Other information

#### Full text of H-Statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.