



# Safety Data Sheet

## 1. SUBSTANCE IDENTIFICATION/ PREPARATION AND COMPANY DETAILS

**Product Name:** SANIKLEEN  
**Other Names:**  
**Recommended use of the chemical and restrictions on use:** Sanitising Hand Cleaner  
  
**Supplier:** Stelco Chemicals International Pty Ltd  
**ABN:** 17 151 834 347  
**Street Address:** 46 – 48 Henderson Road  
Rowville VIC 3178  
Australia  
**Telephone:** +61 3 9757 3100  
**Facsimile:** +61 3 9763 8243  
  
**Emergency Telephone Number:** 0412 318 882

## 2. HAZARDS IDENTIFICATION

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Code (ADG Code) for transport by road and rail.

### GHS classification:

Flammable liquids - Category 2, **H225**  
Serious Eye Damage/Irritation - Category 2A, **H319**

**Signal word: DANGER**

### Pictograms:

GHS02: Flammable

GHS07: Exclamation mark



### Hazard statements:

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

### Precautionary statements:

P102: Keep out of reach of children.  
P103: Read label before use.  
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233: Keep container tightly closed.  
P243: Take precautionary measures against static discharge.



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**Response:**

P101 If medical advice is needed, have product container or label at hand.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

**Storage:**

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

**Disposal:**

**P501:** Dispose of contents/container in accordance with local, regional, national and international regulations.

**Poisons Schedule:** None allocated.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components                                       | CAS Number | Proportion |
|--------------------------------------------------|------------|------------|
| Ethyl alcohol                                    | 64-17-5    | 70 % v/v   |
| Chlorohexidine Gluconate                         | 18472-51-0 | 1% w/v     |
| Other ingredients determined not to be Hazardous | -          | < 30%      |

### 4. FIRST AID MEASURES

**Inhalation:**

Remove victim from area of exposure. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if patient is not breathing.

**Skin contact:**

No need for first aid is anticipated.

**Eye Contact:**

If in eyes, wash out immediately with water. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

**Ingestion:**

Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

**Notes to physician:**

Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Specific Hazards:** Flammable liquid. Open containers should be kept away from all potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc). Do NOT smoke while using product. Vapour may travel a considerable distance to source of ignition and flash back.

**Fire fighting advice:** On burning, will emit toxic fumes including those of oxides of carbon. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

**Suitable extinguishing media:** Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).



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## 6. ACCIDENTAL RELEASE MEASURES

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent eye contact and breathing in vapours. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use non-sparking tools. Collect and seal in properly labelled containers for disposal. Wash area down with excess water. If contamination of sewers or waterways has occurred advise local emergency services.

## 7. HANDLING AND STORAGE

**Handling advice:** Avoid eye contact and breathing in vapour, mists and aerosols.

**Storage advice:** Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidising agents. Keep containers closed when not in use --check regularly for leaks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational exposure limits:** No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for constituent(s):

Ethyl alcohol: 8hr TWA = 1880 mg/m<sup>3</sup> (1000 ppm) As published by the National Occupational Health and Safety Commission. TWA – The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Engineering Control Measures:** None required with this product.

**Personal Protective Equipment:** None required when using this product

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                          |                        |
|------------------------------------------|------------------------|
| <b>Physical state:</b>                   | Liquid                 |
| <b>Colour:</b>                           | Clear, green solution. |
| <b>Odour:</b>                            | Ethereal               |
| <b>Solubility:</b>                       | Miscible in water.     |
| <b>Specific Gravity:</b>                 | ca. 0.88               |
| <b>Relative Vapour Density (air= 1):</b> | >1                     |
| <b>Flash Point (°C):</b>                 | 21                     |
| <b>Flammability Limits (%):</b>          | 3.5-19 (for ethanol)   |
| <b>Boiling Point/Range (°C):</b>         | ca. 78                 |

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Possibility of hazardous reactions:** Hazardous polymerisation will not occur.

**Conditions to avoid:** Avoid exposure to heat, sources of ignition, and open flame.



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**Incompatible materials:** Incompatible with oxidising agents.

**Hazardous decomposition products:** No hazardous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Acute toxicity: No LD50 data available for product.  
Oral LC50 (Rat): >2000 mg/kg bw (Ethanol)  
Dermal LC50 (Rat): >2000 mg/kg bw (Ethanol)  
Inhalation LC50 (Rat): 124.7 mg/L/four hours (Ethanol)

Skin corrosion/irritation: Not irritating to skin.

Serious eye damage/irritation: This material has been classified as a Category 2A Hazard (reversible effects to eyes).

Respiratory or skin sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser.  
Skin: this material has been classified as not a skin sensitiser.

Germ cell mutagenicity: This material has been classified as non-hazardous.

Cancerogenicity: This material has been classified as non-hazardous.

Reproductive toxicity: This material has been classified as non-hazardous.

Specific Target Organ Toxicity (STOT): - single exposure: This material has been classified as non-hazardous.

Specific Target Organ Toxicity (STOT): - single repeated exposure: This material has been classified as non-hazardous.

Aspiration hazard: This material has been classified as non-hazardous.

**Likely routes of exposure:** Skin contact. Eye contact. Ingestion. Inhalation.

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Not a likely route of exposure to this product. However, swallowing can result in nausea, vomiting and central nervous system depression.

Skin contact: No adverse health effects are expected from skin contact

Eye contact: Mild eye irritation.

Inhalation: Material may be irritant to the mucous membranes of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

**Long term effects:** No long-term effects expected from this product.

## 12. ECOTOXICOLOGICAL INFORMATION

Ecotoxicity: Ethanol: LC50=5463.9 mg/L of Crustacea (Daphnia magna) (ECETOC TR91, 2003).

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility in soil: No information available.



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Other adverse effects: Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for incineration by an approved agent.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport:

*Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road and rail.*

**UN No:** 1170  
**Class-primary:** 3 Flammable Liquid  
**Packing Group:** II  
**Proper Shipping Name:** ETHANOL SOLUTION  
**Hazchem Code:** 2[Y] E

### Marine Transport:

*Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.*

**UN No:** 1170  
**Class-primary:** 3 Flammable Liquid  
**Packing Group:** II  
**Proper Shipping Name:** ETHANOL SOLUTION

### Air Transport:

*Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.*

**UN No:** 1170  
**Class-primary:** 3 Flammable Liquid  
**Packing Group:** II  
**Proper Shipping Name:** ETHANOL SOLUTION

## 15. REGULATORY INFORMATION

**Classification:** Classified as hazardous according to criteria of Safe Work Australia.

**Poisons Schedule:** None allocated.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

## 16. OTHER INFORMATION

Material Safety Data sheet has been prepared by Stelco Chemicals Pty Ltd  
This MSDS summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace. As each workplace is different each user must, prior to use, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification of further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.