

**1. IDENTIFICATION**

**Product identifier:** Surgi-Prep® C Pink (30mL, 100mL, 500mL)  
**Synonyms:** 5000023479, 5000023478, 5000023480

**Contact:** Evaris Pharma  
**Address:** 25-29 Delawney Street  
Balcatta, Western Australia, 6021

**Telephone number:** +61 8 9441 7800  
**Australia Emergency telephone:** **Poisons Information Centre: 13 11 26**  
**New Zealand Emergency telephone:** **National Poisons Center: 0800764766**

**Recommended use:** Skin antisepsis  
**Restrictions on use:** None

**2. HAZARD(S) IDENTIFICATION**

**Classification:**

Physical	Health
Flammable Liquid Category 2 (H225)	Eye Irritation Category 2A (H319)

**Label Elements**

**DANGER!**



**Hazard statement(s)**

Highly flammable liquid and vapour.  
Causes serious eye irritation.

**Precautionary statement(s)**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Wash hands thoroughly after handling.  
Wear eye protection.

**Precautionary statement(s)**

IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  
IF on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
In case of fire: Use water fog or spray, carbon dioxide, dry chemical or alcohol-resistant foam to extinguish.  
Store in a well-ventilated place. Keep cool.  
Dispose of container and contents in compliance with all national and local regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical name	CAS No.	Concentration	Substance Classification
Ethanol	64-17-5	>60% v/v	Flammable Liquid Category 2 (H225)

			Eye Irritation Category 2A (H319)
Chlorhexidine Gluconate	18472-51-0	<2.5%	Eye Damage Category 1 (H318) Aquatic Acute Toxicity Category 1 (H400) Aquatic Chronic Toxicity Category 1 (H410)

#### 4. FIRST-AID MEASURES

**Inhalation:** Remove person to fresh air. If irritation occurs or symptoms develop, get medical attention.

**Skin contact:** If irritation develops and persists get medical attention. Remove and contaminated clothing and launder it before reuse.

**Eye contact:** Immediately flush eyes with water while lifting the upper and lower lids for at least 15 minutes. Remove contact lenses, if present and easy to do after 5 minutes of flushing, then continue flushing. Get medical attention if irritation persists.

**Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

**Most important symptoms/effects, acute and delayed:** Causes eye irritation. Inhalation may cause headache and drowsiness. Prolonged skin contact may dry the skin.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention is not generally required.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Use water fog or spray, carbon dioxide, dry chemical or alcohol-resistant foam.

**Specific hazards arising from the chemical:** Highly flammable liquid and vapour. Vapours are heavier than air and can flow to remote ignition sources and flash back. Vapours may be explosive in confined areas. Vapours will collect in low areas. Vapours may be ignited by static sparks. Flames may be invisible in daylight.

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear appropriate protective clothing and equipment as described in Section 8. Eliminate all ignition sources and ventilate the area with explosion-proof equipment.

**Environmental Precautions:** Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

**Methods and materials for containment and cleaning up:** Stop spill at the source if it is safe to do so. Absorb with an inert material. Use non-sparking tools and equipment. Collect into a suitable container for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid eye contact. Avoid breathing vapours. Use only with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use. Keep product away from heat, sparks and all other sources of ignition. Do not smoke while using. Do not leave the container in direct sunlight.

**Conditions for safe storage, including any incompatibilities:** Protect containers from physical damage. Store in a cool area. Keep away from excessive heat and open flames. Store out of direct sunlight. Store away from oxidizers. Store below 25°C. Keep containers closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure guidelines:

Ethanol	1000 ppm STEL ACGIH TLV 1000 ppm TWA AU OEL 1000 ppm TWA NZ OEL
Chlorhexidine Gluconate	None Established

**Appropriate engineering controls:** Use with adequate general or local exhaust ventilation to minimize exposures levels. Use explosion-proof equipment where required.

### Individual protection measures:

**Respiratory protection:** None needed under normal use conditions. If exposure levels are exceeded or irritation is experienced, an approved organic vapour or supplied air respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with applicable regulations and good Industrial Hygiene practice.

**Skin protection:** Impervious gloves recommended.

**Eye protection:** Chemical safety goggles recommended if needed to avoid eye contact.

**Other:** None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (physical state, colour, etc.):** Clear, pink liquid

**Odour:** Alcohol odour

<b>Odour threshold:</b> 100 ppm (Ethanol)	<b>pH:</b> Not determined
<b>Melting point/freezing point:</b> Not determined	<b>Boiling Point:</b> 78°C
<b>Flash point:</b> 21°C (closed cup)	<b>Evaporation rate:</b> Not determined
<b>Flammability (solid, gas):</b> Not applicable	<b>VOC:</b> >60% v/v
<b>Flammable limits: LEL:</b> 3% (ethanol)	<b>UEL:</b> 19% (ethanol)
<b>Vapour pressure:</b> 59.3 mmHg @ 25°C (ethanol)	<b>Vapour density:</b> 1.59 (ethanol)
<b>Relative density:</b> 0.875-0.895 g/mL	<b>Solubility(is):</b> Soluble in water
<b>Partition coefficient: n-octanol/water:</b> -0.31 (ethanol)	<b>Auto-ignition temperature:</b> Not determined
<b>Decomposition temperature:</b> Not determined	<b>Viscosity:</b> Not determined
<b>Particle Characteristics:</b> Not applicable	

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions of use.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** Reaction with strong oxidizers will generate heat and cause fire.

**Conditions to avoid:** Avoid heat, sparks, flames, and all other sources of ignition.

**Incompatible materials:** Avoid oxidizing agents, acids and bases.

**Hazardous decomposition products:** Thermal decomposition may yield carbon oxides and chlorine compounds.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects of exposure:**

**Inhalation:** Inhalation of vapours may cause irritation of the mucous membranes and upper respiratory tract and central nervous system effects such as dizziness, drowsiness and headache.

**Ingestion:** Swallowing may cause gastrointestinal irritation and nervous system effects such as drowsiness and dizziness.

**Skin contact:** No adverse effects are expected. Prolonged skin contact may dry skin. May stain the skin pink.

**Eye contact:** Contact may cause irritation with redness, pain and tearing.

**Chronic Effects:** None known.

**Acute Toxicity Values:** Ethanol: LD50 oral rat 7060 mg/kg; LC50 inhalation rat 20000 ppm/10 hr.  
Chlorhexidine Gluconate: LD50 oral rat >2000 mg/kg, LD50 dermal rabbit >5000 mg/kg

**Skin Corrosion/Irritation:** Not classified.

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory Sensitization:** Not classified.

**Skin Sensitization:** Not a sensitizer.

**Germ Cell Mutagenicity:** Not a germ cell mutagen. Ethanol did not induce mutations in mouse lymphoma L5178Y TK+/- cells and did not induce micronuclei in Chinese hamster V79 cells in the absence of metabolic activation. No chromosomal aberrations or sister chromatid exchanges were observed in Chinese hamster ovary cells treated with ethanol. Ethanol did not increase the frequency of micronuclei in the bone marrow of mice. Chlorhexidine gluconate was negative in the in-vitro mammalian gene cell mutation asses (OECD 476), the Ames test, and the mammalian chromosome aberration test (OECD 473). It was also negative in an in-vivo micronucleus test in mice.

**Carcinogenicity:** None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, or ACGIH. Ingestion of alcoholic beverages is known to cause cancer in humans (IARC group 1). Chlorhexidine gluconate did not cause cancer in lifetime feeding studies in rats or mice.

**Reproductive Toxicity:** Not a reproductive toxin. Alcoholic beverages are known to cause developmental toxicity when intentionally ingested during pregnancy. Chlorhexidine gluconate did not cause malformations or variations of any kind when tested in rats.

**Specific Target Organ Toxicity (STOT) – single exposure:** Not classified.

**Specific Target Organ Toxicity (STOT) – repeated exposure:** Not classified.

**Aspiration Hazard:** Not classified

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity values:** Ethanol: Rainbow Trout: LC50 13000mg/L/96hr, Daphnia magna: LC50 9268-14221 mg/L/48hr, Chlorella pyrenoidosa (green algae; growth inhibition) 9310 mg/L/48hr  
Chlorhexidine gluconate: LC50 danio rerio 2.08 mg/L/96 hr; EC50 daphnia magna 0.087 mg/L/48 hr, NOEC 0.02 mg/L/21 d. (mortality); ErC50 algae 0.081 mg/L/72 hr.

**Persistence and degradability:** Ethanol and chlorhexidine gluconate are readily biodegradable.

**Bioaccumulative potential:** Ethanol BCF= 3, potential for bioaccumulation is low

**Mobility in soil:** Ethanol is expected to have high mobility in soil.

**Other adverse effects:** None known.

### 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended.

### 14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
<b>IMDG</b>	UN1170	Ethanol Solution	3	II	No
<b>IATA</b>	UN1170	Ethanol Solution	3	II	No
<b>ADG</b>	UN1170	Ethanol Solution	3	II	No

**Hazchem Code:** ●2YE

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None known.

### 15. REGULATORY INFORMATION

**Safety, health, and environmental regulations specific for the product in question.**

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):** Schedule 5.

**Australia Inventory:** Drugs are not subject to AICS.

**New Zealand Inventory:** Drugs are not subject to HSNO.

**HSNO Number:** Not applicable

**Agricultural Compounds and Veterinary Medicines Act 1997:** Not applicable.

**Montreal Protocol:** Not applicable

**Stockholm Convention:** Not applicable

**Rotterdam Convention:** Not applicable

**Basel Convention:** Not applicable

**International Convention on the Prevention of Pollution from Ships (MARPOL):** Not applicable

### 16. OTHER INFORMATION

**NFPA Rating:** Health = 1      Flammability = 3      Instability = 0

**HMIS Rating:** Health = 2      Flammability = 3      Physical Hazard = 0

**Date of preparation:** 14/02/2023

**Full Text of GHS Classification and H Phrases from Section 3:**

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**List of Abbreviations or Acronyms:**

ACGIH American Conference of Industrial Hygienists  
ADG Australian Dangerous Goods  
AICS Australian Inventory of Chemical Substances  
AU Australia  
EC Effective Concentration  
EU European Union  
GHS Globally Harmonized System of Classification and Labelling of Chemicals  
HSNO Hazardous Substances and New Organisms  
IARC International Agency of Research on Cancer  
IATA International Air Transport Association  
IMDG International Maritime Dangerous Goods  
LC Lethal Concentration  
LD Lethal Dosage  
LEL Lower Explosive Limit  
NTP National Toxicology Program  
NZ New Zealand  
OEL Occupational Exposure Limits  
US OSHA United States Occupational Safety and Health Administration  
PEL Permissible Exposure Limit  
SDS Safety Data Sheet  
STEL Short Term Exposure Limit  
TWA Time-Weighted Average  
UEL Upper Explosive Limit  
VOC Volatile Organic Compounds  
WES Workplace Exposure Standards  
WHS Work Health and Safety

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