


SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Name: Sterisol Hand disinfectant Isopropanol
Article number: 4120
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Hand disinfection.
- 1.3 Details of the supplier of the safety data sheet**
Address: Sterisol AB, P. O. Box 149, SE-592 23 Vadstena, Sweden
Phone: +46 143 768 68
e-mail: jan.eklund@sterisol.se
- 1.4 Emergency telephone number**
Swedish Poisons Information Centre: +46 8 331 231

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
 Irritant
- 2.2 Label elements**

 Irritant
- 2.3 Other hazards**
 Risk of serious damage to eyes. Vapours may cause drowsiness and dizziness. Allow hands to dry thoroughly before touching anything because of the risk of ignition due to static electricity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Classification according to 1999/45/EC – 67/548/EEC:

Substance	EG-No	CAS-No	Index-No	Concentration %	Hazard/Risk-phrase
Isopropanol	200-661-7	67-63-0	603-117-00-0	52.6	F, Xi / R-11, R-36, R-67
Aqua				20 - 50	
Glycerin				1 – 1.9	
Triethanolaminesalt of Carbomer				0.1 – 0.9	

See SECTION 16 for full text of each classification and hazard statement. See SECTION 8 for exposure limits.

3.2 Mixtures

Classification according to CLP 1272/2008/EG Annex VI Table 3.1:

Substance	Concentration %	Hazard Class and Category Code(s)	Hazard Statement Code(s)
Isopropanol CAS-No 67-63-0 EG-No 200-661-7 Index-No 603-117-00-0 REACH-No	40	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336
Aqua Glycerin Triethanolaminesalt of Carbomer	EG-No 231-791-2 EG-No 200-289-5 CAS-No 9003-01-4	20 - 50 1 – 1.9 0.1 – 0.9	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation:** If dizziness or nausea occurs, seek fresh air and rest.
- Ingestion:** Rinse the mouth and drink some water. DO NOT induce vomiting. Seek medical treatment if a large amount has been swallowed.
- Contact to skin:** The product is intended for the skin.
- Eye contact:** Rinse with plenty of water. If discomfort persists, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

- If swallowed:** Pain in the mouth and throat, nausea, vomiting, dizziness, headache
- Inhalation by prolonged exposure:** Fatigue, dizziness, nausea and vomiting.
- Eye contact:** Transient irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment for solvent poisoning.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguish preferably with powder extinguisher, alcohol resistant foam or water spray.

5.2 Special hazards arising from the substance or mixture

Highly flammable. Vapours may already at temperatures below room temperature form an explosive mixture with air.

5.3 Advice for fire-fighters

Move and/or cool down with water if packaging are close to fire.

SECTION 6:

6.1 Personal precautions, protective equipment and emergency procedures

Remove ignition sources.

6.2 Environmental precautions

Avoid discharge to drainage and watercourse.

6.3 Methods and material for containment and cleaning up

Small spillage should be dried up with damp cloth. Large discharges should be collected with absorbent material. The product is water soluble.

6.4 Reference to other sections

See Section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Smoking, open flames and other sources of ignition are prohibited.

7.2 Conditions for safe storage, including any incompatibilities

The product should be stored away from sources of ignition, at room temperature. Not below 0° C. This flammable product shall not be stored together with oxidizing and explosives material. Specific provisions and quantity limitations may occur. Contact local rescue services.

7.3 Specific end use(s)

Full pallet must not be double stacked.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Isopropanol TLV (SE), Level limit 150 ppm, 350 mg/m³

8.2 Exposure controls

Avoid contact with eyes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Clear colourless viscous liquid
Odour:	A distinct odour of isopropyl alcohol
Odour threshold:	To be determined
pH-value:	6.7 to 7.2
Melting point/freezing point:	To be determined
Initial boiling point and boiling range:	Approx. 80° C
Flash point:	19° C (IP 170-88)
Evaporation rate:	To be determined
Flammability (solid, gas):	To be determined
Upper/lower flammability or explosive limits:	To be determined
Vapour pressure:	To be determined
Vapour density:	To be determined
Relative density:	0.90 – 0.92 (g/cm ³)
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water:	Not applicable for mixtures
Auto-ignition temperature:	To be determined
Decomposition temperature:	To be determined
Viscosity:	< 1000 cP
Explosive properties:	Formation of an explosive air/vapour mixture is possible
Oxidising properties:	Non-oxidizing

9.2 Other information

No additional information is available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Formation of an explosive air/vapour mixture is possible.

10.2 Chemical stability

The product is stable during normal handling. The product is stable for at least 36 months.

10.3 Possibility of hazardous reactions

No hazardous reactions when used under normal conditions.

10.4 Conditions to avoid

Heat and sources of ignition.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Oral Pain in the mouth and throat, nausea, vomiting, dizziness, headache and risk of loss of consciousness.
Inhalation Dizziness, headache, may cause slow reaction.
Skin Intended for skin.

Irritation

Eye Eye contact causes pain. Fumes can be irritating.

Skin corrosion

Not applicable

Sensitisation

Sensitisation of alcohol is extremely rare.

Repeated dose toxicity

When used as recommended, there is no risk.

Carcinogenicity

When used as recommended, there is no risk.

Mutagenicity

When used as recommended, there is no risk.

Reproductive toxicity

When used as recommended, there is no risk.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Isopropanol

Acute toxicity – Fish	LC50	4 200 mg/l (Rasbora heteromorpha; 96 h)
Acute toxicity – Daphnia	EC50	13 299 mg/l (Daphnia magna; 48 h)

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

Does not accumulate.

12.4 Mobility in soil

Soluble in water. Evaporates rapidly.

12.5 Results of PBT- and vPvB-assessment

PBT/vPvB assessment has not been made because the chemical safety assessment is not required/not yet implemented for the substances in the product.

12.6 Other adverse effects

The preparation has been assessed under existing legislation and is classified as not environmentally hazardous.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Significant quantities of product residues should not be flushed out away through the drain. Provide for disposal or destruction according to waste disposal legislation and any local regulations. EWC for product residues: 20 01 13* - Solvents.

Rinse the empty bottles thoroughly. The bottles can be recycled through energy recovery and corrugated packaging can be recovered through recycling.

SECTION 14: TRANSPORT INFORMATION

General: "Limited quantity" when transported by car, train and boat. Dangerous goods when transported by air. EmS for transport by boat: F-E, S-D

14.1 UN-number

1219

14.2 UN proper shipping name

ISOPROPYL ALCOHOL

14.3 Transport hazard class(es)

3

14.4 Packing group

II

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-code

Not applicable

Label



SECTION 15: REGULATORY INFORMATION

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

Hand disinfectant for hygienic hand disinfection is classified as biocide product according to Directive 98/8/EC – Class 1.1.

15.2 Chemical safety assessment

Chemical safety assessment is not required by regulations.

SECTION 16: OTHER INFORMATION

Abbreviations SECTION 8	TLV	Threshold Limit Value
Abbreviations SECTION 12	LC50	Letal concentration 50 %
	EC50	Effective concentration 50 %
	PBT	Persistent Bio-accumulative and Toxic
	vPvB	Very Persistent and very Bio-accumulative.
Abbreviations SECTION 14	EmS	Emergency Procedures for Ships Carrying Dangerous Goods
	F-E, S-D	Fire Schedule, Spillage Schedule

Explanations till R-phrases in SECTION 3.2:

R-11 Highly flammable

R-36 Irritating to eyes

R-67 Vapours may cause drowsiness and dizziness

Explanations to Hazard statements in SECTION 3.2:

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

Last update: Section 1.2 information about stores deleted.
