



Crystel Silver

pure¹¹-Nr.: 09020, Hersteller: Tristel



Zusammenfassung

- Achtung: Dieses Produkt wurde vom Hersteller eingestellt. Wir beraten Sie zu Alternativen!
- Steriles Oberflächendesinfektionsmittel
- 70% Ethanol / 30% WFI
- 25kGy VDmax dose, EN ISO 11137
- Gammabestrahlt, aseptisch abgefüllt und zweifach verpackt
- Bitte beachten: Desinfektionsmittel vorsichtig verwenden. Vor Gebrauch stets Etikett und Produktinformationen lesen.

Empfohlene Reinraumklassen

ISO	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GMP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

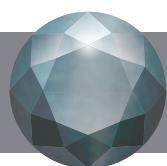
Produktvarianten

pure¹¹-Nr.: 09020

Herst.-Nr.: CRY104 / VE: 6 Stück

Quelle: <https://www.pure11.de/crystal-silver>

Crystel



SILVER

70% Denaturiertes Ethanol mit Wasser für Injektionszwecke (WFI)

EMPFOHLENE ANWENDUNG

Silver eignet sich ideal zur Desinfektion von produktberührenden Oberflächen und zum Besprühen der Hände, eingeschlossen Schutzhandschuhe.

Diese gebrauchsfertige Lösung ist für alle Oberflächen in pharmazeutischen Betrieben und Unternehmen für Körperpflegeprodukte geeignet.

GEBRAUCHSANWEISUNG

Diese sterilen Verpackungen enthalten gebrauchsfertige 70% v/v Denaturiertes Ethanol mit Wasser für Injektionszwecke. Nur zum beruflichen Gebrauch, detaillierte Gebrauchshinweise finden Sie auf dem Produktetikett und dem Produktauswahlblatt.

STANDARDS UND RICHTLINIEN

Das Produkt ist registriert oder entspricht den folgenden Richtlinien:

- BS EN ISO 9001 :2008
- Biozid-Richtlinie 98/8/EG
- 1907/2006/EG REACH (Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe)

PRODUKTANALYSE

Die folgenden Tests wurden am Produkt durchgeführt:

- Mindesthaltbarkeitstest
- TOC - Gesamter organischer Kohlenstoff
- Auswaschbarkeit
- COD - Chemischer Sauerstoffbedarf
- Stickstoff-/Phosphorgehalt

MIKROBIOLOGISCHE TESTDATEN

- EN1276
- EN1650
- Validierung der Sterilität
- Validierung von Endotoxin

ZERTIFIZIERUNG

- Analysezertifikat mit jeder Charge
- Überprüfung zur Sterilität
- Endotoxin Überprüfung
- Bescheinigung zur Bestrahlung

PACKUNGSGRÖSSEN	STERIL / UNSTERIL	VERDÜNNUNG	PRODUKTCODE	PACKUNGEN PRO PALETTE
6x 1L	Steril	Gebrauchsfertig	CRY104	72
2x 5L	Steril	Gebrauchsfertig	CRY105	72



SAFETY DATA SHEET

SILVER (STERILE)

Page: 1

Compilation date: 06/11/12

Revision date: 30/04/2015

Revision No: 6

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: SILVER (STERILE)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Disinfectant solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet

Company name: Tristel Solutions Limited

Lynx Business Park

Fordham Road

Newmarket

Cambridgeshire

CB8 7NY

United Kingdom

Tel: +44 (0) 1638 721 500

Fax: +44 (0) 1638 721 911

Email: healthandsafety@tristel.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 1638 721 500

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Liq. 1: H224

Classification under CHIP: F: R11

Most important adverse effects: Extremely flammable liquid and vapour.

2.2. Label elements

Label elements under CLP:

Hazard statements: H224: Extremely flammable liquid and vapour.

Signal words: Danger

Hazard pictograms: GHS02: Flame



SAFETY DATA SHEET

SILVER (STERILE)

Page: 2

Precautionary statements: P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P243: Take precautionary measures against static discharge.
P280: Wear protective gloves/protective clothing/eye protection.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ETHANOL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	50-70%

PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-10%
-----------	---------	---	---	-------

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Rinse eyes with water copiously. Seek medical advice as necessary.

Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

[cont...]

SAFETY DATA SHEET

SILVER (STERILE)

Page: 3

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.
Vapour may travel considerable distance to source of ignition and flash back.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Do not use equipment in clean-up procedure which may produce sparks. Absorb into dry earth or sand. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Keep away from sources of ignition

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area.
Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Disinfectant Solution. For professional use only.

Section 8: Exposure controls/personal protection

[cont...]

SAFETY DATA SHEET

SILVER (STERILE)

Page: 4

8.1. Control parameters

Workplace exposure limits:

State	Respirable dust	
	8 hour TWA	15 min. STEL
EU	1000ppm	-

Hazardous ingredients:

ETHANOL

Workplace exposure limits:

State	Respirable dust	
	8 hour TWA	15 min. STEL
UK	1920 mg/m ³	-

PROPAN-2-OL

UK	999 mg/m ³	1250 mg/m ³	-	-
----	-----------------------	------------------------	---	---

DNEL/PNEC Values

SILVER (STERILE)

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	950mg/m ³	Workers	-
DNEL	Dermal	343mg/kg/day	Workers	-
DNEL	Inhalation	114mg/m ³	Consumers	-
DNEL	Dermal	206mg/kg/day	Consumers	-
DNEL	Oral	87mg/kg/day	Consumers	-
PNEC	Fresh water	0.96mg/l	-	-
PNEC	Marine water	0.79mg/l	-	-
PNEC	Marine sediments	3.6mg/kg	-	-
PNEC	Soil (agricultural)	0.63mg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

[cont...]

SAFETY DATA SHEET

SILVER (STERILE)

Page: 5

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: No data available.

Viscosity: Non-viscous

Boiling point/range °C: No data available.

Flammability limits %: lower: No data available.

Flash point °C: 21 - 23

Autoflammability °C: No data available.

Relative density: 0.875-0.895

VOC g/l: No data available.

Melting point/range °C: No data available.

upper: No data available.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: No data available.

pH: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ETHANOL

IVN	RAT	LD50	1440	mg/kg
-----	-----	------	------	-------

[cont...]

SAFETY DATA SHEET

SILVER (STERILE)

Page: 6

ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

[cont...]

SAFETY DATA SHEET

SILVER (STERILE)

Page: 7

Section 14: Transport information

14.1. UN number

UN number: UN1170

14.2. UN proper shipping name

Shipping name: ETHANOL (ETHYL ALCOHOL)

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 2

Section 15: Regulatory information

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

Specific regulations: This product has been classified in accordance with CLP and CHIP regulations and compiled in accordance with Annex II of REACH.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H224: Extremely flammable liquid and vapour.

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

R11: Highly flammable.

Legend to abbreviations: PNEC = predicted no effect level

DNEL = derived no effect level

[cont...]

SAFETY DATA SHEET

SILVER (STERILE)

Page: 8

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.