



SAFETY DATA SHEET

Central Solutions (GB) Limited - Sol-X Hard Surface Sanitiser 500ml Aerosols

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

1.1. Product identifier

Product name Sol-X Hard Surface Sanitiser 500ml Aerosols

Product number SXHSS500

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

Identified uses Cleaner

1.3. Details of the supplier of the safety data sheet

Supplier Central Solutions (GB) Ltd.
 Sol-X House
 Windmill Lane
 Norton
 Doncaster
 South Yorkshire
 DN6 9AT
 +44 (0) 1302 708 895
 Email: info@solxsolutions.com
 www.solxsolutions.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 1302 708 895 (Hours 09:00 - 17:00 Mon to Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

Human health Vapours and spray/mists in high concentrations are narcotic. See Section 11 for additional information on health hazards.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is extremely flammable. Vapours may form explosive mixtures with air.

2.2. Label elements

Hazard pictograms



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Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H319 Causes serious eye irritation.
Precautionary statements	P102 Keep out of reach of children. P211 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P261 Avoid breathing vapour/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Biocide Labelling	Contains active substance: Alcohol
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P337+P313 If eye irritation persists: Get medical advice/ attention.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHANOL	60-100%
CAS number: 64-17-5	EC number: 200-578-6
	REACH registration number: 01-2119457610-43-XXXX
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE	10-30%
CAS number: 68476-85-7	EC number: 270-704-2
Classification	
Flam. Gas 1 - H220	
Press. Gas (Comp.) - H280	
PROPAN-2-OL	1-5%
CAS number: 67-63-0	EC number: 200-661-7
	REACH registration number: 01-2119457558-25-XXXX
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

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4.1. Description of first aid measures

General information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.
Ingestion	Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	See Section 11 for additional information on health hazards.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Foam, carbon dioxide or dry powder.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
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5.3. Advice for firefighters

Protective actions during firefighting	Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.
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6.2. Environmental precautions

Environmental precautions	Avoid discharge into drains.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.
Advice on general occupational hygiene	Wash promptly with soap and water if skin becomes contaminated. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Protect from freezing and direct sunlight. Store in a dry place. Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

WEL = Workplace Exposure Limit.

ETHANOL (CAS: 64-17-5)

DNEL

Consumer - Oral; Long term systemic effects: 87 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 206 mg/kg/day
 Workers - Dermal; Long term systemic effects: 343 mg/kg/day
 Consumer - Inhalation; Short term local effects: 950 mg/m³
 Workers - Inhalation; Short term local effects: 1900 mg/m³
 Consumer - Inhalation; Long term systemic effects: 114 mg/m³
 Workers - Inhalation; Long term systemic effects: 950 mg/m³

PNEC

- Fresh water; 0.96 mg/l
 - Sediment (Freshwater); 3.6 mg/kg
 - marine water; 0.79 mg/l
 - Soil; 0.63 mg/kg

PROPAN-2-OL (CAS: 67-63-0)

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DNEL	Workers - Dermal; Long term systemic effects: 888 mg/kg/day Workers - Inhalation; Long term systemic effects: 500 mg/m ³ Consumer - Dermal; Long term systemic effects: 319 mg/kg/day Consumer - Inhalation; Long term systemic effects: 89 mg/m ³ Consumer - Oral; Long term systemic effects: 26 mg/kg/day
PNEC	- Fresh water; 140.9 mg/l marine water; 140.9 mg/l - Intermittent release; 140.9 mg/l - STP; 2251 mg/l - Soil; 28 mg/kg - Sediment; 552 mg/kg

8.2. Exposure controls

Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	No specific requirements are anticipated under normal conditions of use.
Other skin and body protection	Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.
Respiratory protection	No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Clear.
Odour	Alcoholic.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	-41 (-41 to 82)°C
Flash point	-40°C Closed cup.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.8 % Upper flammable/explosive limit: 15.0 %
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.718
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	399°C

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Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Oxidising properties	No information available.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No test data specifically related to reactivity available for this product or its ingredients.
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10.2. Chemical stability

Stability	The product may not be stable under some conditions of storage or use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	None known.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None at ambient temperatures.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation	Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Causes serious eye irritation.
Acute and chronic health hazards	No known chronic or acute health risks.
Route of exposure	Inhalation Skin and/or eye contact

Toxicological information on ingredients.

ETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 7,060.0

Species Rat

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ATE oral (mg/kg) 7,060.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,001.0

Species Rabbit

ATE dermal (mg/kg) 2,001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 20,000.0

Species Rat

ATE inhalation (vapours mg/l) 20,000.0

PROPAN-2-OL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,045.0

Species Rat

ATE oral (mg/kg) 5,045.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 12,800.0

Species Rabbit

ATE dermal (mg/kg) 12,800.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 30.0

Species Rat

ATE inhalation (vapours mg/l) 30.0

DENATONIUM BENZOATE

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

SECTION 12: Ecological information

12.1. Toxicity

Ecological information on ingredients.

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ETHANOL

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 1030 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: 101 mg/l, Daphnia magna

PROPAN-2-OL

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 13299 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >1 mg/l, Desmodesmus subspicatus

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Partition coefficient No information available.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Dispose of waste product or used containers in accordance with local regulations Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
Disposal methods	Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not pierce or burn, even after use.
Waste class	The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

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14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS, FLAMMABLE

Proper shipping name (IMDG) AEROSOLS, FLAMMABLE

Proper shipping name (ICAO) AEROSOLS, FLAMMABLE

Proper shipping name (ADN) AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

ADR/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

Transport labels



14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

SECTION 15: Regulatory information

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

National regulations The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

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EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date	04/08/2020
Revision	1
SDS number	8273
Hazard statements in full	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurised container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.