



Section 1. Product and Company Identification.

1.1 Model Number; SCS021S v1
1.2 Description; Electrical Contact Cleaner 500ml Single

1.3 Manufacturer;
Sealey Group.
Kempson Way,
Bury St. Edmunds,
Suffolk.
IP32 7AR

1.4 Emergency telephone number; 44 (0) 1284 757 500 (Office Hours)

Date of source compilation; 14 April 2014

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Aerosol 1 - H222
Human health	Eye Irrit. 2 - H319; STOT SE 3 - H336
Environment	Not classified.

Classification (1999/45/EEC) Xi; R36. F+; R12. R67.

Risk phrases;

R11 Highly flammable
R12 Extremely flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

2.2 Label elements.

Hazard pictogram(s)



Signal Word. Danger



Section 2. Hazards Identification (continued).

Hazard statements;

H222 Extremely flammable aerosol.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.

Precautionary statements;

P102 Keep out of reach of children.
P271 Use only outdoors or in a well-ventilated area.
P261 Avoid breathing vapour/spray.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention..

Supplementary Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash contaminated skin thoroughly after handling.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P403+233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

2.3 Other hazards.

No other information available.



Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Volume	Classification	
			Hazard Class & Category Code	Hazard Statements
Propan-2-ol	67-63-0	60 - 100%	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336
Propane	74-98-6	10 - 30%	Flam. Gas 1 Press. Gas	H220
Butane	106-97-8	5 - 10%	Flam. Gas 1 Press. Gas	H220
Isobutane	75-28-5	1 - 5%	Flam. Gas 1 Press. Gas	H220

For full text of Phrases and Statements, see Section 16.



Section 4. First Aid Measures.

General information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

4.1 Description of first aid measures

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing.

Promptly wash eyes with plenty of water while lifting the eye lids.

Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Skin Contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Ingestion

DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

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

No information available.

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

No information available.

Section 5. Fire Fighting Measures.

5.1. Extinguishing media

Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Aerosol cans may explode in a fire.

5.3. Advice for fire-fighters

Containers close to fire should be removed or cooled with water.

Use water to keep fire exposed containers cool and disperse vapours.



Section 6. Accidental Release Measures.

6.1. Personal precautions, protective equipment and emergency procedures
No information available.

6.2. Environmental precautions
No information available.

6.3. Methods and material for containment and cleaning up
Wear necessary protective equipment. Extinguish all ignition sources.
Avoid sparks, flames, heat and smoking.
Ventilate.
Let evaporate.
Keep out of confined spaces because of explosion risk.
If leakage cannot be stopped, evacuate area.

6.4. Reference to other sections
See Section 7 for information on Safe Handling
See Section 8 for information of Personal Protective Equipment.
See Section 13 for information on disposal.

Section 7. Handling and Storage.

7.1. Precautions for safe handling
Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.
Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities
Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

7.3. Specific end use(s)
Intended for use as an Electrical Contact Cleaner, Model Number identified in 1.1 with Description stated in 1.2.



Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min	
Butane	WEL	600 ppm	1450 mg/m ³	750 ppm	1810 mg/m ³
Isobutane	WEL	800 ppm		800 ppm	
Propan-2-Ol	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³
Propane		Asphyxiating	Asphyxiating	Asphyxiating	Asphyxiating

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



Eye Protection

Use approved safety goggles or face shield.

Skin Protection

Use protective gloves.

Respiratory Protection

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use chemical cartridge protection with appropriate cartridge.

Ventilation

Provide adequate general and local exhaust ventilation.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.



Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties

The following information is not a technical specification or sales specification.

(a) Appearance:	Aerosol.
(b) Odour:	Characteristic.
(c) Odour threshold;	No information available.
(d) pH:	No information available.
(e) Melting point/freezing point;	No information available.
(f) Initial boiling point and boiling range;	No information available.
(g) Flash point;	No information available.
(h) Evaporation rate;	No information available.
(i) Flammability (solid, gas);	No information available.
(j) Upper/lower flammability or explosive limits;	Lower; 0.8% Upper; 9.0%
(k) Vapour pressure;	No information available.
(l) Vapour density;	No information available.
(m) Relative density;	No information available.
(n) Solubility(ies);	No information available.
(o) Partition coefficient: n-octanol/water;	No information available.
(p) Auto-ignition temperature;	No information available.
(q) Decomposition temperature;	No information available.
(r) Viscosity;	No information available.
(s) Explosive properties;	No information available.
(t) Oxidising properties.	No information available.

9.2 Other information No information available.

Section 10. Stability and Reactivity.

10.1. Reactivity No information available.

10.2. Chemical stability Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions No information available.

10.4. Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

10.5. Incompatible materials No information available.

10.6. Hazardous decomposition products Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).



Section 11. Toxicological Information.

11.1. Information on toxicological effects

Inhalation

May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.

Skin contact

Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause allergic contact eczema. May cause sensitisation by skin contact. Irritating to skin.

Eye contact

Irritating to eyes. May cause chemical eye burns.

Route of entry

Inhalation. Skin and/or eye contact.

Section 12. Ecological Information.

Dangerous for the environment if discharged into watercourses.

12.1. Toxicity	No information available.
12.2. Persistence and degradability	No information available.
12.3. Bioaccumulative potential	No information available.
12.4. Mobility in soil	No information available.
12.5. Results of PBT and vPvB assessment	No information available.
12.6. Other adverse effects	No information available.

Section 13. Disposal Considerations.

13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard.

Dispose of waste and residues in accordance with local authority requirements.



Section 14. Transport Information.

ADR. International Carriage of Dangerous Goods by Road.

14.1. UN number	UN 1950	
14.2. Name and Description	AEROSOLS, flammable	
	Label	2.1
	Special Provisions	190 344 625
	Limited Quantities	1 L
	Excepted Quantities	E0
	Packing Instructions	P207, LP02
	Special Packaging Provisions	RR6 L2
14.3. Transport hazard class(es)	Class	2
	Classification Code	5F
	Transport Category	2
	Tunnel restriction code	D
14.4. Packing group	-	
14.5. Environmental hazards	Avoid release to the environment	
14.6. Special precautions for user	Refer to Section 2.2 Precautionary Statements	

IATA. International Air Transport Association.

14.1. UN number	UN 1950	
14.2. UN Proper Shipping Name/Description	AEROSOLS, flammable	
	Hazard Label.	Flamm. gas
	Excepted Quantity	E0
	Packing Instructions	Passenger 203
		Ltd Qty Y203
		Cargo 203
		ERG Code 10L
	Special Provisions	A167

Special Provision A802.

Notwithstanding the absence of a packing group in column E, substances and article assigned to these entries must be packed in UN Specification packagings that meet packing group II performance standards. This does not apply when aerosols are prepared for transport in accordance with the limited quantity provisions.

14.3. Transport hazard class(es)	Class or Division	2.1
14.4. Packing group	-	
14.5. Environmental hazards	Avoid release to the environment	
14.6. Special precautions for user	Refer to Section 2.2 Precautionary Statements	

IMDG. International Maritime Dangerous Goods.

14.1. UN number	UN 1950	
14.2. UN proper shipping name	AEROSOLS, flammable	
	Special Provisions	63, 190 277, 327, 344, 959
	Limited Quantities	See Special Provision 277
	Excepted Quantities	E0
	Packaging Instructions	P207, LP02
	Packaging Provisions	PP87, L2
14.3. Transport hazard class(es)	Class or Division	2
	Subsidiary Risk(s)	See Special Provision 63
14.4. Packing group	-	
14.5. Environmental hazards	Avoid release to the environment	
14.6. Special precautions for user	Refer to Section 2.2 Precautionary Statements	
14.7. Transport in bulk – Maritime only.	Bulk transport is not applicable to this product	



Section 15. Regulatory Information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No information available.

15.2. Chemical safety assessment
No information available.

Section 16. Additional Information.

Full text of Phrases and Statements used in Section 3;

H220: Extremely flammable gas.

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

The above information is believed to be accurate and represents the best information currently available.

No warranty is expressed or implied by the above information.

We assume no liability resulting from use of the above information.

The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	15/02/16	First issue.
2	15/09/16	Sections 3, 14, 15 & 16.

End of Safety Data Sheet.