

Performance you can trust



ELECTRA CLEAN Spray

Residue free high performance electrical cleaner

Product Overview

ROCOL® ELECTRA CLEAN Spray is a solvent based cleaner in aerosol format. It is NSF Registered category code K2 as suitable for cleaning electronic instruments and devices in and around food processing areas. The cleaner is also ideal for use in many other industrial environments.

ROCOL ELECTRA CLEAN Spray contains a blend of fast evaporating solvents that leave no residue. The product therefore is ideal for cleaning electrical equipment including control panels, electric motors, electrical contacts, switches etc.

Features and Benefits

- ROCOL ELECTRA CLEAN Spray has metal detectable plastic components (aerosol caps and actuators) capable of detection by most metal detection equipment.
- ROCOL ELECTRA CLEAN Spray is a foodsafe cleaner designed to remove grime, grease and dirt from all electrical instruments and devices including control panels, motors, contacts and switches.
- ROCOL ELECTRA CLEAN Spray is a highly effective, fast evaporating cleaner - dries within seconds leaving a residue free surface that will not interfere with conductivity.
- Compatible with most commonly used plastics.
- ROCOL ELECTRA CLEAN Spray has a 360° valve system enabling it to be sprayed from any angle.

Directions for Storage and Use

- Shake aerosol well before use.
- Test compatibility with plastics and rubbers and painted or coated surfaces prior to application.
- Ensure all equipment is electrically isolated before applying ROCOL ELECTRA CLEAN Spray.
- Ensure all solvent has evaporated before reconnection.
- Highly Flammable - avoid sources of ignition.
- Apply from a distance of 15 – 30cm.
- The aerosol can be sprayed at any angle due to 360° valve technology.
- The cleaning operation may be enhanced by working the solvent into the surface using a clean, dry cloth.
- For heavier contamination, reapplication may be required.
- Store below +50°C, out of direct sunlight.
- Shelf life is 5 years from date of manufacture.
- Consult safety data sheet before use.

Specifications

- ROCOL ELECTRA CLEAN Spray does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients.
- NSF K2 Registered – 124471

Pack Sizes

Pack Size	Part Code
300ml	34066

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E customer-service@rocol.com
www.rocol.com

ROCOL House, Swillington, Leeds LS26 8BS

Registered Company No. 559693 VAT No. 742 0531 67
Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

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BS EN ISO 9001
Certificate No. FM 12448



BS EN ISO 14001
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OHSAS 18001
Certificate No. OHS 78173



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Property	Test Method	Result
Appearance	Visual	Colourless liquid
Propellant	N/A	Carbon dioxide (CO ₂)
Solvent	N/A	Blend of hydrocarbon and alcohol
Odour	N/A	Characteristic
Flash Point (°C)	PMCC	<0°C
Water Solubility	N/A	Partially soluble
Density (kg/m ³)	RTM 3	0.72
Metal Detection:		
Aerosol Cap	Equivalent sphere size	>3.0mm
Actuator	Equivalent sphere size	>3.0mm

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

Issue: 2 Date: 03-13

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SAFETY DATA SHEET
ELECTRACLEAN SPRAY

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Compilation date: 08/09/2011

Revision No: 5

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

1.1. Product identifier

Product name: ELECTRACLEAN SPRAY

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

Use of substance / mixture: Cleaner for electronic items

1.3. Details of the supplier of the safety data sheet

Company name: ROCOL

ROCOL House

Swillington

Leeds

West Yorkshire

LS26 8BS

ENGLAND

Tel: +44 (0) 113 232 2700

Fax: +44 (0) 113 232 2740

Email: customer-service@rocol.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 113 232 2600

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: F+: R12; Xi: R38; N: R51/53; -: R67

Most important adverse effects: Extremely flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: Flammable.

Irritant.

Dangerous for the environment.



Risk phrases: R12: Extremely flammable.

R38: Irritating to skin.

[cont...]

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R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S16: Keep away from sources of ignition - No smoking.

S35: This material and its container must be disposed of in a safe way.

S23: Do not breathe spray.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S51: Use only in well-ventilated areas.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ALIPHATIC HYDROCARBON

EINECS	CAS	CHIP Classification	CLP Classification	Percent
265-151-9	64742-49-0	F: R11; Xi: R38; N: R51/53; Xn: R65; -: R67	-	70-90%

PROPAN-2-OL

200-661-7	67-63-0	F: R11; Xi: R36; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	10-30%
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CARBON DIOXIDE AEROSOL PROPELLANT

204-696-9	124-38-9	-:	-	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

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

[cont...]

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ELECTRACLEAN SPRAY

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

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

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. May cause dizziness.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Do not use water. Alcohol resistant foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Highly flammable. Forms explosive air-vapour mixture. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

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.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

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. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden.

[cont...]

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ELECTRACLEAN SPRAY

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight. 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)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ALIPHATIC HYDROCARBON

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1000 mg/m ³	-	-	-

PROPAN-2-OL

UK	999 mg/m ³	1250 mg/m ³	-	-
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CARBON DIOXIDE AEROSOL PROPELLANT

UK	5000ppm 9150mg/m ³	15000ppm 27400mg/m ³	-	-
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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 normally required.

Hand protection: Protective gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: Colourless

Odour: Characteristic odour

Evaporation rate: Fast

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible

Viscosity: Non-viscous

Boiling point/range°C: >55

Melting point/range°C: < -60

Flammability limits %: lower: 1.1

upper: 13

Flash point°C: -4

Autoflammability°C: >200

Relative density: 0.74

[cont...]

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ELECTRACLEAN SPRAY

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9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Heat. Sources of ignition.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant effects for mixture:

Effect	Route	Basis
Irritation	DRM	Hazardous: calculated

Symptoms / routes of exposure

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

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. May cause dizziness.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable.

12.2. Persistence and degradability

Persistence and degradability: Only slightly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

[cont...]

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12.4. Mobility in soil

Mobility: Highly volatile. Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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

Section 14: Transport information

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS

14.3. Transport hazard class(es)

Transport class: 2

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Section 15: Regulatory information

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

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: Contains only FDA listed ingredients. NSF K2 registered,

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

[cont...]

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EC Directive 94/1/EC adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of Member States relating to aerosol dispensers.

Phrases used in s.2 and 3: H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

None

R11: Highly flammable.

R12: Extremely flammable.

R36: Irritating to eyes.

R38: Irritating to skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

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.