

# Technical Data

## **AEROKLENE 50 ELECTRONIC CLEANING SOLVENT**

**AEROKLENE 50** is an electronic cleaning solvent which is ideal for safe and effective cleaning of electronic, electrical and other delicate components.

### **APPLICATIONS**

Ideal for quick and efficient cleaning of:

- PCB's
- Tape Heads
- Relays
- Electrical and Electronic Assemblies
- Condensers
- Business Machines
- Precision Instruments
- Transistors
- Communications Equipment

Safe to use on all plastic and rubber surfaces, the rapid evaporation of Aeroklene 50 ensures that no residues are left on the treated equipment.

**N.B Not for use on live equipment**

### **Technical Data**

Appearance	:	Clear, colourless liquid
Odour	:	Hydrocarbon Solvent
SG @ 25°C	:	0.67
Pressure @ 25°C	:	3 Bar
Discharge Rate	:	1.1g/sec
Solubility	:	Miscible with most organic solvents
Compatibility	:	Safe to use on plastics and rubber
Flammability	:	Classified as extremely flammable under CHIP Regulations
Flashpoint	:	Not applicable in sealed aerosol
Packaging	:	200ml aerosol

## **STORAGE**

The product may be stored at normal ambient temperatures and has a shelf life of not less than 12 months with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

## **HEALTH AND SAFETY**

Health and Safety sheet available separately.

## **MISREPRESENTATION ACT 1967**

## **TRADE DESCRIPTIONS ACT 1968**

The information given in this publication is based on our experience and reports from customers. There are many factors outside our control and knowledge which affect the use and performance of our products and for which reason no warranty is given, express or implied. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purposes. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.

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## Material Safety Data Sheet

Regulation EC No 1907/2006 Art.31

**Productname :** SERVISOL AEROKLENE 50      **Creationdate :** 15.02.08  
**Ref.Nr.:** UK20037-3-150208      **Replaces:** 06.04.07

### 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Productname :** SERVISOL AEROKLENE 50  
 Aerosol

**Application :** Cleaners - Precision

**Company :** **CRC Industries UK Ltd.**  
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### 2. HAZARD IDENTIFICATION

**Health and Safety :** Extremely Flammable  
 Irritating to skin.  
 Vapours may cause drowsiness and dizziness.

**Environment :** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Other hazards :** Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.

### 3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
Naphtha (petroleum), hydrotreated light (benzene<0.1%)	64742-49-0	265-151-9	30-60	F,Xn,N	11-38-51/53-65-67	B,P
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	68512-91-4	270-990-9	30-60	F+	12	K
<b>Explanation notes</b>						
B : substance with national established workplace exposure limit						
K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)						
P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)						

(\* Explanation risk-phrases : see chapter 16)

#### 4. FIRST AID MEASURES

<b>General Advice :</b>	The usual precautions for handling chemicals should be observed If any symptoms should occur, seek medical advice.
<b>Contact with eyes :</b>	If substance has got into eyes, immediately wash out with plenty of water
<b>Contact with skin :</b>	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek medical advice
<b>Inhalation :</b>	Fresh air, keep warm and at rest.
<b>Ingestion :</b>	Ingestion is unlikely to occur If swallowed accidentally, do not induce vomiting and seek medical advice.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point (without propellant):</b>	not available
<b>Explosion limits : upper limit :</b>	not available
<b>lower limit :</b>	not available
<b>Extinguishing media :</b>	foam, carbon dioxide or dry agent
<b>Fire-fighting procedures :</b>	Keep container(s) exposed to fire cool, by spraying with water
<b>Unusual exposure hazard :</b>	Aerosols may explode if heated above 50°C

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions :</b>	Shut off all ignition sources Ensure adequate ventilation
<b>Environmental precautions :</b>	Do not allow to enter public sewers and

watercourses

If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

**Cleaning methods :** Absorb spillage in suitable inert material

## 7. HANDLING AND STORAGE

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<b>Handling procedures :</b>	Use only in well ventilated areas Do not pierce or burn aerosols, even after use. Do not spray on a naked flame or incandescent material. Do not breathe aerosols or vapours. Avoid contact with skin and eyes.
<b>Storage procedures :</b>	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep in a cool, dry, well ventilated place Keep out of reach of children.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

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<b>Control procedures :</b>	Ensure adequate ventilation Keep away from heat and sources of ignition
<b>Personal protection :</b>	It is advisable to take precautions to avoid contact with skin and eyes when handling the product. Use only in well ventilated areas
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>hands and skin :</b>	Wear suitable protective gloves
<b>eyes :</b>	Wear safety goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

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<b>Apperance : physical state :</b>	propane/butane propelled liquid
<b>colour :</b>	colourless
<b>odour :</b>	Characteristic odour
<b>Boiling point/range :</b>	not available
<b>Relative density :</b>	0.665 g/cm <sup>3</sup> (@ 15°C)
<b>pH :</b>	not available
<b>Vapour pressure :</b>	not available
<b>Relative vapour density :</b>	not available
<b>Solubility in water :</b>	Insoluble in water
<b>Flash point :</b>	not available
<b>Auto-ignition :</b>	not available
<b>Viscosity :</b>	not available
<b>Evaporation rate :</b>	not available

## 10. STABILITY AND REACTIVITY

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<b>Conditions to be avoided :</b>	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition No hazardous reactions known if used for its
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intended purpose

**Materials to be avoided :** Strong oxidising agent**Hazardous decomposition compounds :** carbon oxides

## 11. TOXICOLOGICAL INFORMATION

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**Inhalation :** Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

**Ingestion :** Ingestion is unlikely to occur  
After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.

**Skin contact :** Irritating to skin

**Eye contact :** Irritating to eyes

**Other information:** No experimental data available

## 12. ECOLOGICAL INFORMATION

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**Other adverse effects :** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Do not allow to enter public sewers and watercourses  
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

No experimental data available

## 13. WASTE DISPOSAL

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**National regulations :** Disposal should be in accordance with local, state or national legislation

## 14. TRANSPORT

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**UN-number :** 1950

**Road/Rail - ADR/RID :** UN1950 Aerosols Class : 2, PG : NA, Class code : 5F, Label : 2.1

**Sea - IMDG :** UN1950 Aerosols Ltd Qty Class : 2.1, PG : NA, Label : 2.1

**EmS** F-D,S-U

**Air - IATA/ICAO :** UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : RFG

**Packing instr. LQ** Y203

**PAX** 203

**CAO** 203

## 15. REGULATORY INFORMATION

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**Warning symbol(s) :** F+,Xi,N

**Risk-phrase(s) :** R12: Extremely flammable.  
R38: Irritating to skin.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

**Safety-phrase(s) :**

S2: Keep out of the reach of children.

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

S23: Do not breathe spray.

S24: Avoid contact with skin.

S51: Use only in well-ventilated areas.

Pressurised 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.

**Regulation (EC) No 648/2004 on detergents:** aliphatic hydrocarbons > 30 %

## 16. OTHER INFORMATION

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This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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**\*Explanation risk-phrases:**

R11: Highly flammable.

R12: Extremely flammable.

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.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : [www.crcind.com](http://www.crcind.com). We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.