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**Faxback Doc. # 33144**

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION, REVISION NUMBER AND DATE

Product name : Electronic Cleaner  
Product code : Radio Shack 64-4327  
Revision no. : 1  
Date : 6 October 1995

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS n/l = not listed in CHIP

Chemical Name	%	CAS Number	EEC No.	Hazard Symbol	R Phrases
Proprietary hydrocarbon solvent	74	n/a	n/a	n/l	n/l
CO <sub>2</sub>	3-5	124-38-9	n/a	n/l	n/l
Non hazardous constituents	20-25				

n/a = not available

3. HAZARDS IDENTIFICATION

Classification (CHIP) : Flammable

Main Health Hazards : May be mildly irritating to eyes, respiratory system and skin. Possible risk of dermatitis from prolonged exposure. Low order of toxicity with very mild symptoms.

4. FIRST-AID MEASURES

Inhalation Move casualty to fresh air and keep at rest. If recovery is not rapid, seek medical advice.  
Skin Contact Wash off with soap and water. Skin conditioning cream should also be used to prevent any dryness.  
Eye Contact Immediately flush with water for 10 minutes. If irritation occurs and persists seek medical attention.  
Ingestion Give plenty of water to drink. If large quantities have been swallowed seek medical attention.

5. **FIRE FIGHTING MEASURES**

**Flammability :** Product in an aerosol is classified as flammable.  
Containers may burst upon heating.

**Combustion products :** None hazardous known

**Extinguishing media :** Foam, dry chemical, CO<sub>2</sub>, water fog

**Do not use :** Water in a jet

**Measures :** Keep fire endangered containers cool with water spray. Call fire brigade for large fires.

6. **ACCIDENTAL RELEASE MEASURES**

Mop up with absorbent material and transfer to suitable disposal container.  
Wear suitable protective clothing.

7. **HANDLING AND STORAGE**

**Handling :** Avoid contact with skin and eyes. Do not breathe spray. Use only in well ventilated area. In accordance with good industrial hygiene practices do not eat, drink or smoke when handling this material.

**Fire prevention :** Keep away from all sources of ignition.

**Storage :** Keep in a cool, well ventilated place, out of direct sunlight and below 45°C.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory protection :** Normal good room ventilation should be sufficient.

**Eye and skin protection :** Gloves are recommended for prolonged exposure and eye protection if splashes are likely.

OEL : Substances listed in EH40/95	Long term (8 hour)		Short term (15 min)	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Hydrocarbon solvent	300	as recommended by suppliers		
Carbon dioxide	5000	9000	15000	27000

9. **PHYSICAL AND CHEMICAL PROPERTIES**

**Form :** Colourless liquid with characteristic odour.

**Flash point :** >60°C

**Density :** 0.79

**Boiling point :** 173-193°C

**Melting point :** <-50°C

**Vapour pressure :** 0.5 kPas @ 38°C

**Vapour density :** n/d

**Solubility in water :** Immiscible

**Viscosity :** 1.48 cst @ 25°C

**Autoignition point :** >200°C

**Explosive limits :** 7.0% upper 0.6% l

## 10. STABILITY AND REACTIVITY

Chemical reactivity : Stable.

Decomposition Oxides of carbon may be formed during combustion.  
products :

Materials/conditions to avoid : Oxidising materials.

## 11. TOXICOLOGICAL INFORMATION

Non hazardous constituents

LD50 oral, rat >3300 mg/kg; dermal, rabbit >2000 mg/kg

Hydrocarbon solvent

No data available

## 12. ECOLOGICAL INFORMATION

Non hazardous constituents

LC50 guppy 560-1000 - static acute. Practically non toxic to fish on an acute basis and aquatic invertebrates on a static acute basis.

Hydrocarbon solvent

COD - below the detectable limit; BOD - negligible (solubility in water 20 mg/l)

## 13. DISPOSAL CONSIDERATIONS

In accordance with local regulations via licensed contractor.  
Do not pierce or burn even when empty.

## 14. TRANSPORT REGULATIONS

Proper shipping name : Aerosols, flammable, n.o.s., (IATA)  
Aerosol dispensers (IMDG, ADR)

UN number :	1950	Packaging group :	-
EMS no: 2-13	MFAG no: 620	IMDG class :	9
ICAO/IATA class :	2.1	RID/ADR :	2 / 10 <sup>a</sup> (b)2
Marine pollutant :	No	Hazard warning sign :	Flame symbol
CN number :	38140090		

## 15. REGULATORY INFORMATION

CHIP labelling Symbol : Flame symbol Hazard : Flammable  
Contains : Not required

Risk phrases : None required  
Safety phrases : None required

Other suggested labelling Required for all aerosols - Keep out of reach of children; do not breathe spray; use only in well ventilated areas; do not pierce or burn, even when empty.

Other Contains no materials listed as toxic under EPA/SARA-313.

## 16. OTHER INFORMATION