

RadioShack Cat. No. 64-4327

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

Product name : ELECTRONIC CLEANER/DEGREASER  
Product code : 64-4327  
Revision no. : 0  
Date : 27 February 1996

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

<u>Inhalation</u>	Move casualty to fresh air and keep at rest. If recovery is not rapid, seek medical advice.
<u>Skin Contact</u>	Wash off with soap and water. Skin conditioning cream should also be used to prevent any dryness.
<u>Eye Contact</u>	Immediately flush with water for 10 minutes. If irritation occurs and persists seek medical attention.
<u>Ingestion</u>	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 a 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)		Skin
	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

Boiling point : 173-193°C

Vapour pressure : 0.5 kPas @ 38°C

Solubility in water : Immiscible

Autoignition point : >200°C

Density : 0.79

Melting point : <-50°C

Vapour density : n/d

Viscosity : 1.48 cSt @ 25°C

Explosive limits : 7.0% upper 0.6% lower

## 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 invertibrates 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°(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