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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>%</th>
<th>CAS Number</th>
<th>EEC No.</th>
<th>Hazard Symbol</th>
<th>R Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary hydrocarbon solvent</td>
<td>74</td>
<td>n/a</td>
<td>n/a</td>
<td>n/l</td>
<td>n/l</td>
</tr>
<tr>
<td>CO₂</td>
<td>3-5</td>
<td>124-38-9</td>
<td>n/a</td>
<td>n/l</td>
<td>n/l</td>
</tr>
<tr>
<td>Non hazardous constituents</td>
<td>20-25</td>
<td>n/a</td>
<td>n/a</td>
<td>n/l</td>
<td>n/l</td>
</tr>
</tbody>
</table>

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, CO₂, 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.

<table>
<thead>
<tr>
<th>OEL</th>
<th>Substances listed</th>
<th>Long term (8 hour) ppm</th>
<th>Short term (15 min) S ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hydrocarbon solvent</td>
<td>300 as recommended by suppliers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Carbon dioxide</td>
<td>5000</td>
<td>9000</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Colourless liquid with characteristic odour.

Flash point: >60°C Density: 0.79

Boiling point: 173-192°C Melting point: <-50°C

Vapour pressure: 0.5 kPa at 38°C Vapour density: n/d

Solubility in water: Immiscible Viscosity: 1.48 cent @ 25°C

Autoignition point: >200°C Explosive limits: 7.0% upper 0.6%
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 m;

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 / 10^9(L)2

Marine pollutant: No

Hazard warning sign: Flame Symbol

CN number: 36140090

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.