

Richard Foot Pty Ltd

MATERIAL SAFETY DATA SHEET

PRODUCT: RF CIRCUIT BOARD CLEANER (LIQUID)

PRODUCT IDENTIFICATION

Trade Name:

UN No: 1993

Other Name:

Dangerous Goods Class: 3

Subsidiary Risk:

Manufacturers Code: Various

Hazchem Code: 3YE

Poisons Schedule: S5

Classified as hazardous according to criteria of Worksafe Australia

Use

A mixture of organic solvents, for cleaning electronic circuit boards prior to assembly and after repairs.
Packaged in 1, 2, 5 and 20 litre containers

Physical Description/Properties

Colourless clear and volatile liquid

Flash Point: -17 Deg C

Auto Ignition Temp: > 200 Deg C

Flammable Limits in Air: Vol%: Lower 2.0 Upper 12.0

Vapour Pressure @ 38 Deg C, kPa: 17.2

Specific Gravity at 15 Deg C: 0.720

Ingredients

| Chemical Entity | CAS NO. | Proportions % |
|-----------------------|--------------|---------------|
| Petroleum Hydrocarbon | [64742-89-8] | Medium 10-60% |
| Aliphatic alcohol | [67-63-0] | Medium 10-60% |
| Ketones | [67-64-1] | Low < 19% |

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HEALTH HAZARD INFORMATION

Health Effects - Acute

- Swallowed: Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema.
- Eye: May cause irritant effects, redness and pain.
- Skin: Frequent or prolonged contact may defat and dry skin, leading to discomfort and dermatitis.
- Inhaled: High vapour concentrations are irritating to the respiratory tract causing headaches, dizziness, could be anesthetic.

First Aid

- Swallowed: Do not induce vomiting. Seek immediate medical attention.
- Eye: Irrigate eye with copious quantities of water for at least 10 minutes. If irritation persists, seek medical attention.
- Skin: Wash off with soap and water.
- Inhaled: Move to fresh air, keep patient warm and at rest. Call doctor if loss of consciousness and if breathing stops give artificial respiration.

Advice to Doctor: Treat symptomatically.

PRECAUTIONS FOR USE

Exposure Standards

TLV 300 ppm

Engineering Controls

Use in well ventilated areas to prevent vapour build up. Use mechanical and/or natural ventilation to ensure that solvent vapour levels are maintained below the recommended exposure standard.

Personal Protection

In ventilated areas no respiratory equipment is required.
Close fitting chemical goggles is the minimal form of eye protection for this product.
Wear overalls and neoprene resistant gloves to keep skin contact to a minimum.

Flammability

This product is flammable liquid. Keep potential sources of ignition away when using open containers.

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SAFE HANDLING INFORMATION

Storage and Transport

Store in cool, dry area away from heat, sparks and open flame.
Depending on quantities involved, store as Dangerous Goods of Class 3.
Keep containers sealed when not in use. Store away from oxidizing agents.

Packaging/Labeling

UN NO.1993
Class 3
Sub Risk None Allocated
Hazchem Code 3YE
Pack Group II
Shipping Name Petroleum
Flammable Liquid

Spills and Disposal

Ventilate area. Eliminate ignition sources. Wear personal protective equipment as above. Contain and collect spillage with non-combustible absorbent materials. (e.g. sand, earth, vermiculite). Transfer to sealed containers with non sparking tools. Do not allow into drains or watercourses.
Dispose of in chemical waste disposal area in accordance with relevant State regulations.

FIRE AND EXPLOSION HAZARD

Fire/Explosion

Flammable liquid. This product may form explosive concentrations of vapour in air, particularly in confined spaces. Will burn or decompose giving off harmful fumes. In confined areas or where exposed to vapour or products of combustion, wear self contained breathing apparatus. Keep unopened containers cool with water spray. Closed containers may explode when exposed to extreme heat.

Extinguishing Media

In case of fire, appropriate extinguishing media include foam, dry chemical. Keep exposed unopened containers cool with water spray. When entering enclosed areas, wear self contained breathing apparatus.

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Page 3

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