



# TOXFREE™

## Solvents of Choice Technical Information Sheet

### Description & Application:

Toxfree is the trade name for a highly refined, non-aromatic hydrocarbon based solvent that has been specifically developed to replace those cold cleaning solvents that are ineffective or have a detrimental effect on the environment and health & safety.

Toxfree solvent has numerous cost saving benefits and are more acceptable with regards to personal health and safety.

Toxfree is available as:

- Toxfree: The original high flash-point solvent.
- Trichfree: Toxfree solvent in an aerosol delivery system
- Toxfree Wipes: Toxfree supplied as a pre-impregnated wipe (refer Multiwipe+ for details).

Primary features attributable to Toxfree solvent are:

- Low flammability (combustible);
- Increased contact time and reasonably fast drying;
- Leaves no residue;
- Fair solvency power, excellent cleaning performance;
- Safe on wide range of metals and plastics;
- Low odour;
- Improved health, safety and environmental performance (CFC free), Low toxicity, not carcinogenic or mutagenic;

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### Applications

Toxfree is suited for Cold Cleaning of:

- Pressed parts;
- Metal components;
- Marine & Automotive parts
- Aerospace components.



Certificate No. GB06/69741

Safer  
Solutions  
For Industry

Toxfree will remove:

- Oils & Greases;
- Fingerprints;
- Light soils.

Toxfree may also be applied by dip, swab, brush, spray or ultrasonic methods.

## **Compatibility**

Toxfree may be safely applied to steel, aluminium, titanium, magnesium, zinc and other metal surfaces.

Toxfree is compatible with a wide range of plastics and elastomers at room temperature, however specific materials should be tested prior to exposure.

## **Health and Safety**

Toxfree family products are based on low toxicity hydrocarbon solvents. They range from highly flammable to combustible but they are neither known nor suspected carcinogens. Users should avoid ingestion and contact will degrease skin.

Trichfree aerosols should not be stored in direct sunlight or near to heat sources and contents are classed as flammable due to the presence of highly flammable propellants.

See individual Material Safety Data Sheet for details.

## **Typical Properties**

Appearance	Colourless liquid
Density @ 20 °C	0.75
Vapour Pressure, mm Hg at 20 °C (kPa)	0.375 (0.06)
Dielectric strength, kV	45
Flash Point, (Closed Cup, °C)	62
Initial Boiling Point, °C (°F)	180 (356)
Evaporation Rate (BuAc=1)	
Solubility in water	Immiscible

Storage life of Toxfree in original, unopened containers, at between 0 °C and 35 °C (32° to 95 °F), is not less than 5 years.

Storage life of Trichfree aerosol containers, at between 0 °C and 30 °C (32° to 86 °F), is not less than 12 months.

### **Test Compliance:**

Capable of meeting the test requirements of UK Specification Def Standard 68-148

## **Process Application**

Use as supplied.

Apply solvent by brush, swab, spray or dip application techniques onto affected surface.

Allow solvent a few minutes to lift and dissolve soluble contaminants.

Wipe off excess solvent using clean paper towelling, cloth or other suitable absorbent, non-contaminating material.

Tenacious deposits may be assisted in removal by the use of fibre pads or stiff bristle brush.

Note:

Use only in well ventilated areas.

Do not store or use near naked flames, sources of heat or ignition.

Do not eat, drink or smoke when using the solvent.

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## **CONTACT DETAILS:**

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## **Packaging Details:**

Toxfree is available in:

- 210 Litre drums;
- 25 Litre metal containers;
- 5 Litre metal containers;

Trichfree Aerosol

- 300g Aerosol containers

For Toxfree pre-impregnated wipes refer to Multiwipe+ products brochure

## **Approval Data for Toxfree**

### **Approvals.**

Toxfree has been approved to/by:

British Aerospace Military – To R10-6026 (General solvent degreasing of parts), R10-6008 (Ultrasonic cleaning)

British Aerospace Airbus – To ABR 9-0140 (general purpose cleaning solvents)

