

Technical Data



TUFCUT **METAL CUTTING LUBRICANTS** **(Foam, Aerosol, Liquid & Compound)**



The **TUFCUT** range is comprised of specialist metal cutting lubricants based on a mixture of extreme pressure additives and anti-oxidants. They have been formulated as instant, ready to use metal machining lubricants with high film-strength and resistance to extreme pressures.

APPLICATIONS

Outstanding performance for turning, drilling, reaming, tapping and thread cutting of tough metals such as titanium, stainless steel, high-tensile, high-speed and high-carbon steels. Particularly invaluable for:

- Mould and Dye Makers
- Heavy Engineering
- Metal Fabricators
- Shipyard, Docks and Marine Companies
- Pattern Formers
- Plant Manufacturers
- Metal Parts Manufacturers

Provides an extreme-pressure resistant, tenacious film between the tool cutting edge and the workpiece, ensuring an excellent surface finish and an extended tool life. Dissipates heat, and allows heavier close tolerance cuts, reducing rejects and increasing production.

TUFCUT FOAM is a foaming lubricant specifically formulated to enable cutting applications to be performed on vertical surfaces without excessive loss of lubricant from the work piece. Tufcut Foam can also be used where close tolerance machining is to take place as the foam allows a longer contact time, and increased lubricant penetration.

Apply the required quantity to the cutting tool and workpiece. Tufcut can be applied by spray (aerosol), by pouring (bottle) or through automatic feed system (bulk liquid).

TECHNICAL DATA

	Foam	Spray	Liquid	Compound
Appearance	: White Foam	Brown liquid	Dark brown liquid	Dark brown paste
Odour	: Slight	Oily	Oily	Distinctive, oily
SG @ 20°C	: 1.02	0.70	0.97	1.1 (approx.)

Pressure @ 20°C	: 6 Bar	4 Bar	N/A	N/A
Discharge rate	: 0.9 g/sec	1.0 g/sec	N/A	N/A
Temperature range	: Operational up to 200°C	Operational up to 200°C	Operational up to 200°C	Operational up to 200°C
Solubility	: Soluble in solvents, insoluble in water	Soluble in solvents, insoluble in water	Soluble in solvents, insoluble in water	Soluble in solvents, insoluble in water
Flammability	: Classified as Extremely Flammable under current EC Regulations	Classified as extremely flammable under current EC Regulations	Non-flammable	Non-flammable
Flashpoint	: Not applicable in sealed aerosol	Not applicable in sealed aerosol	In excess of 150°C for non-aerosol.	<150°C
Packaging	: 300ml	400 ml aerosol	350 ml bottle	500g tin

STORAGE

The product may be stored at normal ambient temperatures and has a shelf life of not less than 72 months with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

HEALTH AND SAFETY

Health and Safety sheet available separately.

TECHNICAL SERVICE

CRC Industries UK Ltd provides a technical support service and maintains a constant programme of research and development. We are able to assist customers by specific product development to meet particular requirements.

MISREPRESENTATION ACT 1967

TRADE DESCRIPTIONS ACT 1968

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