

TECHNICAL DATA SHEET

ECO-TAP LIQUID

Drill/Tap/Cut

Code 7402

DESCRIPTION

Callington Eco Tap is a hand applied water based synthetic metal cutting lubricant designed to improve difficult machining operations on metals such as Stainless-Steel alloys, Titanium and Nickel alloys. Unique lubricity and surfactant technologies provide superior lubrication to conventional mineral oil based neat cutting oils and soluble oils, without use of chlorinated or sulphurised additives.

Eco Tap Liquid penetrates quickly, ensuring lubrication at the cutting edge in particularly where access is difficult to improve tool life and surface finish.

FEATURES & BENEFITS

- Low foaming in all water conditions, ensuring continuous machining and eliminating use of tank side antifoams
- Extends tool life and improves cutting
- Compatible with yellow metals therefore safe to use in machines with copper, brass and bronze components
- Mineral oil, chlorine, boron, silicone, formaldehyde release biocide and nitrite free, safe to use and friendly to the environment
- Excellent corrosion protection even in hard water conditions
- Prevents welding – ideal with difficult metals
- Rejection of tramp oil for easy removal, providing excellent machine and component cleanliness
- Penetrates well into deep holes and slots
- Excellent stability and resistance to microbial growth, providing extremely long fluid life, and reducing fluid and waste treatment costs

AREAS OF APPLICATION

- Deep Hole Drilling
- Tapping
- Broaching
- Reaming

DIRECTIONS FOR USE

Eco Tap Liquid is applied straight to the cutting operations, it is available in a handy squeeze bottle for ease of use. Dependent on operation and material to be worked it can be blended 4 to 8 parts of Eco Tap Liquid to 100 parts water.



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RECOMMENDED DILUTIONS (consult your Callington sales engineer for recommendation specific to your application)

Material Operation	Stainless Steel	Titanium	Nickel Alloys
Grinding Honing	4%	4%	6%
Turning Drilling Milling	5%	5%	6%
Deep Hole Drilling	5%	5%	8%
Gear Cutting	6%	6%	8%
Broaching	8%	8%	8%

PHYSICAL

Appearance:	Clear, Pale yellow liquid
Operating Temperature range (°C):	10 to +250
pH:	9.0
Density:	1.06
Flammability:	Non-Flammable
Storage:	0 - 40°C normal storage. Do not freeze

ORDERING INFORMATION

Product Code	Packaging
7402/25	500ml Bottle
7402/42	5L Jerry Can

WARNING

Causes serious eye irritation. Suspected of damaging fertility. Suspected of damaging the unborn child. Causes skin irritation.

PRECAUTION

Obtain special instructions before use. Wear protective gloves, protective clothing, eye protection and face protection. Wash all exposed external body areas thoroughly after handling.

FIRST AID

IF exposed or concerned: Get medical advice/ attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

STORAGE & DISPOSAL

Store locked up. Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

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Created 27th August 2021 Date Printed 27/08/2021 11:15 AM