

Directions for Use

For metal-removal applications, Tough Cut EP Series 1 is designed to be used as received for maximum lubrication. It is particularly suited for screw machine shop work, such as roll tapping, honing, cut tapping, threading and broaching of hardened steel, stainless steel, and mild steel. It is not recommended for “yellow” work.

For metal-forming applications, Tough Cut EP Series 1 is primarily designed for use on stainless steel. As a low to moderate viscosity oil, **Tough Cut EP Series 1** will perform well on moderate to light heavy duty stamping or drawing. It can be applied via airless spray, roller coat, flood, drip methods or manually by brush. For unusual metal alloys, please contact your **Encore Industrial** representative prior to the use of **Tough Cut EP Series 1**

HMIS Codes	
Health	0
Flammability	1
Reactivity	0
Personal Protection	B

P.I.N - I – 205

Encore Industrial Products, LLC
PO Box 941119, Houston, TX 77094
281-944-4777 or 1-877-703-3044

Net Contents:

- 5Gallons
- 30 Gallons
- 55 Gallons



TOUGH CUT EP SERIES 1

PREMIUM GRADE
PARAFFINIC-BASED NON
CHLORINATED STRAIGHT
CUTTING OIL

NON-GUMMING AND REMAINS FLUID

**EXTENDS TOOL LIFE WITH EXTREME PRESSURE
ADDITIVES**

CLEANS EASILY

CONTAINS NO SARA TITLE III SECTION CHEMICALS

**GIVES GOOD INTERIM CORROSION
PROTECTION ON STEEL**

**100% COMPATIBLE WITH MOST SLIDEWAY
AND GEAR BOX LUBRICANTS**

Keep Out of Reach of Children

Tough Cut EP Series 1 is a chlorine free premium-grade, paraffinic-based straight oil, that has been fortified with high-performance, extreme-pressure additives. Designed as a multi-purpose lubricant, this fluid finds uses in both the metal-removal and metal-forming production environments. It is also compatible with many slideway and gear box lubricants.

Color Concentrate – Clear Light Amber
Viscosity @ 100°F – 50cst (232sus)
Sulfur % - 2.00%min Degrees (Non-Melt)
Sp. Gr. At 77°F (25°C) - 0.895
Flash point (coc) - >350°

First Aid Information

Eye Contact – Immediately flush eyes with large quantities of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek medical attention if irritation persists.

Skin contact – Flush exposed area with water for at least 15 minutes. If irritation persists, get medical attention. Remove contaminated clothing and launder before reuse.

Ingestion – Do not induce vomiting. Seek medical attention. Note: Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet.

Disposal

Tough Cut EP Series 1 contains no SARA Title III Section 313 chemicals. It is disposable in the same manner as the oil effluent of waste treated soluble oils. Contact your **Encore Industrial** representative for more information.