TRIPTON® PROTECTOR OILS
METALWORKING OR CUTTING OIL

Description;
TRIPTON® PROTECTOR OIL is a metalworking fluid formulated from base stocks incorporated with select additives designed for heavily loaded metalworking systems.

FEATURES
TRIPTON® PROTECTOR OIL is an efficient anti-wear oil, fully inhibited with anti-oxidation, anti-corrosion, anti-rust, anti-odor and anti-foam additives.
TRIPTON® PROTECTOR OIL as emulsifying mixture with water provides:

- Superior anti-rust and anti- corrosion characteristics.
- Cools metal forming tools and work-pieces to protect them from high temperatures.
- Lubricates metal forming tools and work-pieces to friction reduction and heat generation.
- Extends the life of the cutting tool and prevents the effects of the surrounding environment (rust and corrosion) on the metal work-piece.

APPLICATIONS:
TRIPTON® PROTECTOR OIL uses as 4.0-10.0% solution in tape water for cooling and protecting the metalworking tools and working pieces.

CODE		**TRL310877**	**TRL310977**
Property	**ASTM's**	**Values**	**Values**
ISO Viscosity Grade	D2432	32	> 46
Appearance		clear liquid	clear liquid
Color		Amber	Amber
Density @15 °C/ g/mL	D1298	> 0.85	> 0.85
Viscosity @ 40 °C; cSt	D445	28.8-35.2	> 41.4
Viscosity @ 100 °C; cSt; mini.	D445	4.5	6.0
pH (4.0% in dest. water) @ 20 °C	-	> 8.0	> 8.0
Pour Point °C, max	D97	-6	-6
Foam Tendency (sequences I, II, III)	D892	50/0/50 0/0/0	50/0/50 0/0/0
Flash Point (COC) °C, mini.	D92	180	190
Cu Strip Corrosion (24h@ 25°C)	D130	1	1

The above values may vary within commercially accepted tolerances.

The products are available in the following:

Code	TRL310x77-01	TRL310x77-02	TRL310x77-05	TRL310x77-06
Pack (L)	200 L	20 L	4 L	1 L

Expiration date: *The recommended shelf life for these oils is typically 5 years from manufacturing date when stored properly in the original sealed containers.*

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Adra Industrial City – Chemical 2
Damascus-Syria

HANDLING AND STORAGE

Precautions for safe handling: Keep away from sources of ignition. No naked lights. No smoking. Do no eat, drink or smoke when using this product. Wash hands and other exposed areas with soap and water before leaving work. **Specific end use(s): Use only as metalworking FLUID.**	**Storage:** All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health, Safety & Environment
Health and Safety

TRIPTON® Products are no any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Protect the Environment: Take used oil to an authorized collection point. Do not discharge into drains, soil or water.