

# PRONEATCUT -S-40 SEMI-SYNTHETIC NEAT METAL WORKING FLUID

## Product Description

PRONEATCUT-S-40 are high performance straight semi synthetic oils offering superior performance for machining stainless steel, titanium & non-ferrous metals. This extreme pressure lubricant is suitable for cold wire drawing operations on high-speed systems.

PRONEATCUT-S-40 series of oils are developed with highest quality virgin hydrocrack synthetic base stock with combination of Lubricity & wetting agents like Easters & extreme pressure additives to achieve better surface finish in machining application. It provides faster settling, easier filtration and better pumping where needed. A special phosphorus containing EP Additives enhance superior performance of this oil.

## Applications

PRONEATCUT-S-40 are suitable for milling, drilling, deep-hole drilling, Drawing, turning, Automatic turning, threading, tapping, reaming, honing and sawing also suitable for high-speed machining.

## Benefits

- Chlorine free, worker friendly.
- Excellent lubricity and anti-wear qualities.
- Exceptional work piece dimensional accuracy.
- Good filterability.
- Continuous long term chemical stability.
- Non-foaming and non-misting.
- Non-Hazardous to use - contains no toxic ingredients.

## Typical Properties

PROPERTIES	5	10	20	30
Specific Gravity @ 15 <sup>0</sup> C	0.810	0.865	0.866	0.873
Colour	0.5	0.5	0.5	0.5
Kinematic Viscosity @ 40 <sup>0</sup> C, cSt	6.5	10	27	32
Kinematic Viscosity @ 100 <sup>0</sup> C, cSt	-	2.5	6.2	5.3
Flash Point, <sup>0</sup> C, COC	135	170	225	225
Pour Point, <sup>0</sup> C, Max	-25	-18	-14	-14
Copper strip corrosion-ASTMD 130, 3hrs @100 <sup>0</sup> C	1b	1b	1b	1b
Phosphorus	Present	Present	Present	Present
Ester Fat	Present	Present	Present	Present
Active Sulfur	None	None	None	None
Inactive Sulfur	Present	Present	Present	Present
Zinc	None	None	None	None
Chlorine	None	None	None	None

Available Packs: 20, 50, 210 Litres.

## Shelf Life – 12 Months from the Manufacturing Date (Condition Seal Pack)

\* All related specifications are meets or exceeds.

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly. The Material Safety Data Sheet (MSDS) are available upon request through our sales office.

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product** SEMI SYNTHETIC NEAT CUTTING OIL  
**Supplier** PETRELPLUS INC.  
One World Center, Tower One, 9<sup>th</sup> Floor, Senapati Bapat Marg, Lower Parel, Mumbai-400013, Maharashtra.  
Call # +91 22 6216 7072  
(Monday to Friday)  
Cell # +91 93522 25457  
[marketing@petrelplus.com](mailto:marketing@petrelplus.com)  
[www.petrelplus.com](http://www.petrelplus.com)

## 2. COMPOSITION

Formulated from Semi Synthetic base oils, Ester and proprietary additives. Free from Zinc, Chlorine and Active Sulfur.

## 3. HAZARDS IDENTIFICATION

### HEALTH

Eye contact -May cause mild irritation to the eyes upon direct contact.  
Skin contact -Prolonged contact may defat the skin or can cause dermatitis.  
Inhalation -hazards.  
Ingestion -Harmful if swallowed.

## 4. FIRST-AID MEASURES

Inhalation -Remove person to fresh air. Seek medical help if discomfort persists.  
Ingestion -Do not induce vomiting. Seek medical support.  
Skin Contact -Immediately flush skin with plenty of water for at least 15 minutes.  
Eye Contact -Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

## 5. FIRE-FIGHTING METHODS

Extinguishing media -Use dry chemical powder or carbon di – oxide or foam.  
Special protective equipment -Positive pressure self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURE

Personal protection - Adequate ventilation, gloves, goggles, overalls and boots.  
Environmental precautions - Avoid entry into water courses.  
Clean up method - Absorb on inert material.

## 7. STORAGE AND HANDLING

Handling - Impervious gloves & eye protection ensure good ventilation. Keep away from source of ignition.  
Storage - Store in a cool & dry place.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection - Not required under normal conditions.  
Skin/hand protection - Impervious gloves, overalls, and boots.  
Eye protection - Use Goggles

## 9. TYPICAL PROPERTIES

Colour - 0.5 (Light Yellow)  
Flash Point, °C, COC, Min - 135 to 225  
Kinematic Viscosity @ 40°C, cSt - 5, 10, 20 and 30  
Inactive Sulfur - Present

## 10. STABILITY AND REACTIVITY

Stability - Stable  
Conditions to avoid - Excessive temperatures  
Materials to avoid - Strong oxidizers  
Hazardous decomposition products - Oxides of carbon and nitrogen

**PETRELPLUS INC.**

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## 11. TOXICOLOGICAL INFORMATION

Skin contact	- Possible irritation
Eye contact	- Possible irritation
Inhalation	- Not applicable
Ingestion	- Irritation. May cause lung damage.
Long term effect	- Not known

## 12. ECOLOGICAL INFORMATION

Mobility	- Mobile
Degradation	- Low
Accumulation	-Not expected
Short & Long Term effect	- Water pollutant

## 13. DISPOSAL CONSIDERATIONS

Dispose off according to local and national regulations.

## 14. TRANSPORT INFOMRATION

CPL	- Not applicable
IMO	-Not applicable

## 15. REGULATORY INFORMATION

Symbol(s)	-Not applicable
Phrase(s)	- Not applicable
Phrase(s)	- Not applicable

## 16. OTHER INFORMATION: PRODUCT SAFETY

For safety reasons, it is IMPERATIVE that customer: -Ensure that all those within their control who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions or warning.