

# Product Data Sheet

## **IPOL Enhanco NC 101**

Heavy Duty high performance neat oil

### **Description:**

IPOL Enhanco NC101 is a special blend of highly refined mineral oil with sulphurized additives with the special synthetic extreme pressure additives.

This high performance additives react chemically at the tool work & chip interface, to produce metallic derivatives which forms low friction film between the metal surfaces. This film is effective even up to 1000 °C and minimizes built up edge & ensures anti-chip welding properties.

This product is made especially for heavy duty operations like Gear cutting, gear hobbing, gear shaving, thread cutting etc. of the ferrous components.

### **Salient Features & benefits:**

- Superior lubricity & EP additives results in less heat generation & improved surface finish excellent tool life.
- Low misting & fuming properties ensure environment & operator friendly operation.
- Superior additives results in low oil drag out, less top-up & therefore reduced consumption.
- Light color ensures better visibility at workplace & therefore ease of operation.
- No obnoxious odor therefore pleasant working environment.
- Higher ageing resistance enhances the sump life.

### **Application:**

- IPOL Enhanco NC 101 is successfully working in many gear industries used for hobbing & shaving operation. This product is also suitable for drilling, reaming, thread milling & other operations.
- This product is recommended for Gear alloy steel, carbon steel, stainless steel & cast iron & not suitable for Copper & Aluminium alloys.

## Characteristics

Parameters	Test Methods	Typical Test Results
Appearance, Visual	Visual	Yellowish
Specific Gravity, gm/ccm	ASTM D 1298	0.885
K. Viscosity @ 40°C, cSt	ASTM D445	32
Flash Point, °C (COC)	ASTM D 92	202
Pour Point, °C	ASTM D 97	(-) 3
Copper Corrosion	ASTM D130	4C
4 ball EP load test, Kg	ASTM D 2783	400

Note: The information provided is not to be taken as a warranty or representation for which we assume no legal responsibility nor as permission or recommendation to practice any attended location or otherwise. It is solely offered for your consideration, investigation and verification.

## Storage and Packaging

IPOL Enhanco NC 101 can be supplied either in 210 liter non-returnable HDPE/ Steel drums or in bulk.

The product should be preferably stored indoors in dry conditions and protected from extreme temperatures. In case the drums are stored outside, adequate precaution needs to be taken to cover them for avoiding any rain water contamination.