

**UNP IG402C** is a low odor ashless additive package for high EP performance industrial gear oils. It is for the formulation of high-performance low odor Industry gear oils.

## **TYPICAL PROPERTIES**

Test Item	Typical Data	Method
Appearance	Light Brown, clear Liquid	-
Density, 20°C, g/cm <sup>3</sup>	0.98	GB/T 1884-2000
Flash point, COC, °C	166	GB/T 3536-2008
Viscosity, 40°C, mm <sup>2</sup> /s	66	GB/T 265-1988
Sulfur, wt, %	12.5	NB/SH/T 0824-2010
Phosphorus, wt, %	1.3	NB/SH/T 0824-2010
Nitrogen, wt, %	0.59	NB/SH/T 0224-1992

*Note: The above analytical data are not specifications.*

## **PERFORMANCE CHARACTERISTICS**

- Outstanding EP/AW, oxidation and corrosion inhibiting properties
- Good corrosion protection of steel and non-ferrous metals
- Good anti-stick-slip and demulsifying properties
- Excellent load-carrying capacity: 1.8% dosage can achieve above grade 12 of FZG test (A8.3/90°C)
- Good solubility performance in wide range of base stocks including hydro-treated solvent
- Free sulfurized isobutylene, it is suitable to low odor industrial gear oil due to the very low odor

## **APPLICATION**

- High-performance low odor Industry gear oils

## **Compliance Standards**

- GB 5903-2011
- U.S. Steel 224, 223, 222
- SEB 181 226
- DIN 51517, part 3(CLP)
- AGMA 250.04(EP Gear oils)
- AGMA 9005-D94(EP Gear Oils)

## **USAGE METHOD**

- Soluble in mineral oil and synthetic base oil. Before adding, it is necessary to consider its solubility in the base oil and its compatibility with other additives.
- Recommended dosage is 1.8% dosage by weight can meet the performance requirements of U.S. steel 224
- It is also can be used for the formulation of slideway oils and hydraulic oils etc. A slideway oil formulation with 1.8 % wt dosage in a mineral oil ISO VG220 can meet Cincinnati Milacron P-50 specification

## **PACKAGING AND STORAGE**

<b>Packaging</b>	50kg or 200kg / Steel drum (Net weight)
<b>Storage conditions</b>	Store in a cool, dry and well-ventilated warehouse for approximately 24 months. No special protection is required

## **HANDLING INFORMATION**

Avoid contact with skin, eyes and clothing. Operate in accordance with good industrial health and safety practices. Please refer to material safety data sheet (MSDS) for additional handling information on **UNP IG402C**.

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