



# ORION U.T.T.O.

## ■ Description

Universal tractor transmission lubricant oil (U.T.T.O.). Its carefully elaborated formula makes it suitable for use in gearboxes, differential conic assemblies, power take-offs, hydraulic systems, wet brakes (synthesized or compound) and clutches.

## ■ Properties

- Excellent anti-wear protection and loading capacity, even in extreme working conditions.
- Good rust resistance and compatibility with joint materials.
- Its friction characteristics are carefully formulated to eliminate screeching in wet brakes and the sliding action in power take-offs mechanisms.
- Its versatility makes it suitable for use with a wide variety of agricultural machinery.
- Certified by the major tractor manufacturers.
- Not for use as a motor oil.

## ■ Quality levels

- FORD M2C 134D/CNH MAT 3525
- JOHN DEERE J-20C
- API GL-4/SAE 80W
- CATERPILLAR TO-2
- ALLISON C-4
- VOLVO WB 101
- PARKER DENISON UTTO/THF
- MASSEY FERGUSON M-1145/M-1143

## ■ Technical specifications

	UNIT	METHOD	VALUE
Density at 15°C	g/ml	ASTM D 4052	0.883
Viscosity at 100°C	cSt	ASTM D 445	10.8
Viscosity at 40°C	cSt	ASTM D 445	65
Viscosity index	-	ASTM D 2270	140 minimum
Flash point, open cup	°C	ASTM D 92	180 minimum
Pour point	°C	ASTM D 97	-33

## ■ Hazard identification

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This product is not classified as toxic or hazardous under current legislation.

## ■ Handling

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Minimum precautions should be taken to avoid prolonged contact with the skin. The use of gloves, visors or glasses is recommended to avoid splashes.

## ■ Health and Safety Hazards

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**Inhalation:** Given that it is not a particularly volatile product, the risk of inhalation is minimal.

**Ingestion:** Do not induce vomiting. Provide water. Seek medical advice.

**Contact with the skin:** Wash with plenty of water and soap.

**Eyes:** Wash thoroughly with water.

**General measures:** Seek medical advice.

## ■ Fire-fighting measures

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No special measures required.

**Fire-extinguishing measures:** Foams, dry chemicals, CO<sub>2</sub>, water spray. Do not apply the jet of water directly as this could cause the product to disperse.

## ■ Environmental precautions

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Danger of physical pollution if spilt (water, coastlines, soil, etc.) due to its floatability and oily consistency that may harm flora and fauna on contact. Avoid material getting into water outlets.

**Decontamination and cleaning:** Treat like an accidental oil spill. Prevent dispersion using mechanical barriers and remove by physical or chemical means.

A safety information file is available on request.

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Unless otherwise indicated, the figures cited in technical characteristics should be considered typical.