

#### Description

PROTEAN Chain & Gear 680 is an NSF: H1 registered, fully synthetic oil designed for the effective lubrication of all types of conveyor and drive chains that require an ISO 680 oil within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Suitable for gearboxes and reduction units, PROTEAN Chain & Gear contains additives to extend servicing and lubrication intervals, boost performance, improved adhesion and offers excellent water wash-off resistance. **Halal/Kosher Certified.**

#### Benefits / features

##### Chains (Drive and Conveyor)

- Penetrates to the links and pins reducing wear and extending chain life
- Adhesive additives ensure no fling, thus providing lasting lubrication
- Effective water resistance and corrosion prevention, even where alkali materials are present
- Extremely wide temperature range ensures maximum application versatility

##### Gearboxes & Reduction Units

- Extremely good oxidation stability which extends lubricant life
- Unaffected by water, demulsification ensures total separation of water from oil
- Adhesive additives coat gears effectively and provide anti-wear protection at start-up
- Synthetic oil with high viscosity index ensures reduced viscosity change with temperature increase

#### Directions for Use

**For drive and conveyor chains:** Apply sparingly by brush or oil can as required. It can also be applied automatically via a central drip-feed system.

**For gear boxes or reduction units:** Ensure that the manufacture's lubricant rating corresponds to ISO 680 gear oil. For optimum performance, drain gearbox of all previous lubricant.

#### Technical Data

Category:	H1 – Lubricants with incidental contact
NSF Registration No:	154164
Allergens:	Does not contain allergens, genetically modified ingredients, nut oil or derivatives.
Appearance:	Clear tacky oil
Base Oil:	Blend of synthetic oils
Viscosity (ASTM 4451):	678cSt @ 40°C
Viscosity Index (ASTM D2270):	136
Relative Density:	0.87
Flash Point:	280°C
Auto Ignition Temp:	>200°C
Solubility:	Insoluble in water
Demulsibility (ASTM D1401):	40-37-3 - 30 min.
FZG Gear Test:	12
Stage Foaming (ASTM D892):	Nil after settling sequence 1, 2 & 3
Operating Temperature Range:	-30°C to +240°C
Pack Sizes:	5 Ltr (TF5305) 20 Ltr (TF5320) 205 Ltr (TF5399) 1000ltr (TF5300)



The content of this data sheet is given in good faith but without warranty.