NEVASTANE HTF

nevastane® FOOD GRADE LUBRICANTS

NSF Nonfood Compounds Program Listed H1 ISO 21469 Certified

KOSHER PAREVE

Food Industry

TOTAL

Heat transfer fluid for incidental food contact.

APPLICATIONS

- **NEVASTANE HTF** is a heat transfer fluid designed for closed circuits and a large number of applications in the food and pharmaceutical industries: double-boilers, autoclaves, reactors, ovens, presses and moulds.
- Process temperature: <300 °C (330 °C in the oil film) without air contact.
- To ensure the consistency of the physical and chemical properties, a monitoring by analyses of the **NEVASTANE HTF** in use is recommended.

SPECIFICATIONS

International standards

- The formulation of **NEVASTANE HTF** based on white mineral oil complies with FDA, chapter 21 CFR, 178.3570.
- **NEVASTANE HTF** is **NSF H1** registered: No 131004.
- **NEVASTANE HTF** is **kosher** and **ISO 21469** certified.
- **NEVASTANE HTF** is a biostable product, it does not promote the development of bacteria and mould.
- ISO 6743/12 class L family QC
- DIN 51502 class L

ADVANTAGES

- **NEVASTANE HTF** is recommended for use where incidental contact with food may occur. Using maintenance lubricants which have been registered H1 with NSF minimizes your critical control points as required by HACCP.
- Exceptional resistance to high temperature.
- Long service life under severe conditions of use.

TYPICAL CHARACTERISTICS	METHODS	UNITS	NEVASTANE HTF
Appearance	Visual	-	Bright and Clear
Density @ 15°C	ISO 12185	-	0.854
Kinematic viscosity @ 40 °C	ISO 3104	mm^2/s	32
Kinematic viscosity @ 100 °C	ISO 3104	mm^2/s	5
Flash point OC	ISO 2592	°C	210
Fire point OC	ISO 2592	°C	240
Pour point	ISO 3016	°C	- 6
Bulk temperature limit*	-	°C	310
Oil layer temperature limit*	-	°C	330

Above characteristics are mean values given as an information.

***** without air contact

Recommendations :

- Store the product at ambient temperature
- Minimize the periods of exposure to temperatures above 35°C
- **Shelf life: 5 years** from date of manufacture (unopened).

AFAQ ISO 9001 VERSION2000 ISO/TS16949 VERSION2002

▶ 물리적 특성

온 도 Temperature (℃)	비 열 Specific Heat (kcal/kg℃)	열전도도 Thermal Conductivity (kcal/m.hr.℃)	밀 도 Density (kg/l)	점 도 Viscosity (cSt)
0	0.436	0.1183	0.8643	400.9
20	0.454	0.1170	0.8511	92.10
40	0.471	0.1157	0.8379	32.00
60	0.506	0.1144	0.8248	14.61
100	0.524	0.1119	0.7988	5.00
120	0.541	0.1106	0.7858	3.42
140	0.559	0.1093	0.7730	2.50
160	0.576	0.1080	0.7601	1.92
180	0.594	0.1068	0.7474	1.54
200	0.611	0.1055	0.7347	1.27
220	0.629	0.1042	0.7221	1.08
240	0.646	0.1029	0.7095	0.94
260	0.664	0.1017	0.6969	0.83
280	0.682	0.1004	0.6845	0.74
300	0.699	0.0991	0.6721	0.67