



TECHNICAL DATA

GB UNIFOOD® THERM X 32S

APPLICATIONS

GB UNIFOOD® THERM X 32S is a heat transfer fluid that has been developed using specially selected additives and synthetic base fluids, for use in food and food-associated processing plants, where there is the possibility of incidental contact. It is suitable for use in closed circulating systems operating at bulk temperatures of up to 316°C. The product's high specific heat allows it to supply or remove large amounts of heat, whilst its high thermal conductivity enables it to pick up or discharge this heat quickly, ensuring maximum heat transfer efficiency. It is not recommended for open baths running at 200°C and above.

PERFORMANCE FEATURES

GB UNIFOOD® THERM X 32S offers the following features:

- A mineral hydrocarbon-free product
- A product which is free of nut and animal-derived materials
- A product free of genetically-modified ingredients
- Only FDA-listed ingredients
- Conformity to the requirements of USDA HI*
- High thermal and oxidation stability
- High specific heat and thermal conductivity
- Lowest possible viscosity consistent with high thermal stability
- Non-corrosivity to any metals used in the system
- Low vapour pressure to prevent vapour locks and cavitation at the pump
- Low pour point for easy start-up in cold weather
- Low fire risk (high flash point and spontaneous ignition temperature)
- Compatibility with seals and sealing materials.

NB The system should be drained and flushed with the new product prior to filling with GB UNIFOOD® THERM X 32S.

* As directed by the Federal Food Quality Protection Act, the United States Department of Agriculture has closed the Department responsible for the authorisation of lubricants and, consequently, we have been unable to submit a sample for formal listing. However, we confirm that the product is formulated to meet the former USDA HI requirements.

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Q 06093
ISO 9001



EMS 72776
ISO 14001



OHS 88475
OHSAS 18001

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CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
ISO			32
Appearance	-	-	Clear bright liquid
Odour	-	Organoleptic	Odourless
Density @ 15°C	kg/m ³	IP 160	828
Kinematic Viscosity @ 40°C	cSt	IP 71	30.2
Kinematic Viscosity @ 100°C	cSt	IP 71	5.8
Viscosity Index	-	IP 226	138
Flash Point	°C	IP 34	244

STORAGE AND HANDLING

GB UNIFOOD® THERM X 32S should be stored under cover to avoid water collecting in the rim of upturned barrels.

HEALTH, SAFETY AND THE ENVIRONMENT

GB UNIFOOD® THERM X 32S is not classified as hazardous under current UK Health & Safety and Environmental Legislation when used in the application for which it is intended.

For guidance on storage and handling of all lubricants and related products, GB Lubricants recommend the Environment Agency, www.environment-agency.gov.uk, as an excellent source of advice.

If you have any queries, please do not hesitate to contact either your local Technical Sales Representative or our Technical Department.

The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations and specifications, without prior notice.