

# ESCA THERM 35

THERMAL HEAT TRANSFER OIL

230079/05.18

Rev. 1

## DESCRIPTION & APPLICATIONS

ESCA THERM 35 is recommended for use in heat transfer systems used in food processing plants. The product has an excellent thermal stability and can be used in liquid phase between -15°C and 325°C. The max. film temperature of +345°C should not be exceeded.

Inert gas blanketing of the system's expansion tank is recommended to avoid a premature change-out of the fluid.

ESCA THERM 35 is a non-hazardous, nontoxic and odourless heat transfer fluid which is authorized for incidental food contact (NSF HT1). This product meets the requirements established by the FDA at 21 CFR 178.3620 (b).

## ADVANTAGES

- Thermal stability.
- High thermal conductivity.
- Anti-oxidant properties.
- heat transfer fluid from: -15°C to 325°C

## PERFORMANCES

Satisfies to the following specifications:

InS H1

KOSHER

HALAL

## ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal. When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

# ESCA THERM 35

## PROPERTIES

| CHARACTERISTICS              | UNITS                    | METHODS   | TYPICAL DATA |
|------------------------------|--------------------------|-----------|--------------|
| Specific gravity at 15°C     | kg/m <sup>3</sup>        | NFT 60101 | 861          |
| Kinematic viscosity at 40°C  | mm <sup>2</sup> /s (cSt) | NFT 60100 | 35           |
| Kinematic viscosity at 100°C | mm <sup>2</sup> /s (cSt) | NFT 60100 | 6            |
| Boiling point @ 1013 mbar    | °C                       | -         | > 340        |
| Flash point (COC)            | °C                       | ASTM D 92 | 220          |
| Pour point                   | °C                       | ASTM D97  | -15          |
| Max. bulk temperature        | °C                       |           | 320          |
| Max. film temperature        | °C                       |           | 340          |
| INS registration number      | -                        | -         | 1796411      |

*The average values are given for information only.*