

PRODUCTION LINE TESTING RESULTS to STATERM EKO MSDS that conforms to the European Parliament and Council Regulation (EC) No. 1907/2006 (REACH)

Date: 26/11/2012; Version 1.2

Product name: "Staterm EKO E40"

1. Identification of the substance/product and product manufacturer data

Product name: Heat carrier for closed heating systems with ion boiler (heater) "Staterm EKO E40"
Use of the product: Heat carrier "Staterm – Eko" to be used in various type closed heating systems, specially designed for use with ion boilers (heaters). Product can be used in closed heating systems with all heating industry materials such as "Al pex", "Rehau", Cu, Fe and others. Direct contact of product with aluminum (Al) is strictly prohibited.

Manufacturer: SIA "Stafor"
Producer information: Kuldigas street 53a, Riga
Latvia, LV 1046
Telephone/fax: 371 67603399
E-mail: info@stafor.lv

2. Hazards identification

Hazard class: The product is not dangerous.
Physical and chemical hazard: Product is inflammable
Potential health effects: No harmful effect.

3. Physical and chemical properties

9.1. Aggregative state (23°C)

9.2. Colour

9.3. Odor

9.4. pH

9.5. Details of the physical state changes

9.6. Relative density (20°C)

9.7. Water solubility

9.8. Lipophilicity characteristics

Liquid
Colourless (or coloured)
Specific
7,5 – 8,0
Boiling temp. > 120 °C
~1, 015 g/cm³
Absolutely soluble
No data

5. Testing results

| Temperature, °C | Density, kg/m ³ | Heat capacity, kJ/kg-K | Thermal conductivity W/m-K |
|-----------------|----------------------------|------------------------|----------------------------|
| -40 | 1077 | 3.09 | 0.324 |
| 30 | 1066-1074 | 3.13-3.35 | 0.331-0.354 |
| 20 | 1063-1070 | 3.18-3.39 | 0.337-0.363 |
| 10 | 1059-1066 | 3.22-3.43 | 0.344-0.371 |
| 0 | 1055-1061 | 3.26-3.47 | 0.350-0.379 |
| 10 | 1050-1056 | 3.31-3.50 | 0.356-0.386 |
| 20 | 1045-1050 | 3.35-3.54 | 0.361-0.393 |
| 30 | 1039-1044 | 3.39-3.58 | 0.366-0.399 |
| 40 | 1033-1037 | 3.44-3.62 | 0.370-0.405 |
| 50 | 1027-1031 | 3.48-3.66 | 0.373-0.410 |
| 60 | 1020-1023 | 3.53-3.70 | 0.376-0.414 |
| 70 | 1013-1015 | 3.57-3.74 | 0.379-0.417 |
| 80 | 1004-1007 | 3.61-3.77 | 0.380-0.419 |
| 90 | 995-998 | 3.66-3.81 | 0.382-0.421 |
| 100 | 986-988 | 3.70-3.85 | 0.382-0.422 |
| 110 | 976-978 | 3.75-3.89 | 0.382-0.423 |
| 120 | 966-967 | 3.79-3.93 | 0.382-0.423 |

4. Other information

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Explanations:

CAS No – Chemical Abstrakt Service registration No in Chemical information service.

The information provided is based on the data provided by the raw material producers that to be considered as correct when using this product only for its provided purpose. It is always the responsibility of the user to assess the information given here, its suitability to the particular using conditions and to take all the necessary safety measures.

The manufacturer doesn't take any responsibility for the conformity and application of this information regarding some other – specific – needs of the user.

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