PIROBLOC
HTF-CLEAN

Safety Data Sheet

1. Product identification

Commercial name of the product:	Pirobloc HTF-Clean
Use of the product:	Heat transfer fluid
Company:	Pirobloc S.A. Av. Castell de Barberà, 31 P.I. Santiga 08210 – Barberà del Vallès (Barcelona) – Spain Telf. +34 937 189 064 Fax +34 902 908 812 E-mail: sales@fluidotermico.com
Review date:	01/07/2011
Emergency telephone:	+34 937 189 064 (only in working hours)

2. Identification of the product risks

This product it is not considered as dangerous according with the Regulations about classification, packaging and labeling of dangerous preparations.

3. Composition

Chemical composition: synthetic oils

Dangerous components:

nº CAS	nº CE	Name	Concentration
92045-42-6	295-423-2	Mineral oil	>10% <=25%

PIROBLOC, S.A. • P.I. SANTIGA • AV. CASTELL DE BARBERÀ, 31 •
08210 BARBERA DEL VALLÈS (BARCELONA) - SPAIN
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E-MAIL: sales@fluidotermico.com • www.fluidotermico.com

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4. Emergency and first aid process

- General Instructions
  It is not necessary any special action
- Contact with the skin
  Clean with water and neutral soap. Take off the contamined clothes and wash them before to reuse
- Contact with eyes
  Clean with plenty of water during at least 15 minutes
- Inhalation
  Carry to the fresh air. Go to the doctor in case of respiratory arrest and apply artificial massage
- Ingestion
  Not induce to the vomiting. Look for medical assistance

5. Safety measures against fires

- Adequate extinction systems
  Powder, CO2, Foam
- Inadequate extinction systems
  Pressurized water
- Risks of exposition
  In the thermal decomposition and combustion can come carbon oxide
- Special protection equipment
  Wear a complete equipment to be used with chemical products and bring an autonomous respiratory aid

6. Measures in case of accidental waste

- Individual protection
  Use adequate gloves and protective clothes
- Environmental protection
  To prevent the contamination of the soil, water and drainings. Notify to the authorities in case of spill to the public sewer system
- Cleaning methodes
  Use absorbent materials and place them in a container for waste materials which can be closed. Clean the treated zone with water

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7. Handling and storage

- Handling
  Do not eat, drink or smoke in the workplace
- Storage
  Keep far from ignition sources. Store in the original safety closed recipient and at room temperature
- Specific uses
  Not applicable

8. Controls of Exposure / Personal protection

- Control of the exposing limits
  Exposure limit during working with mineral fluid:
  - VLA-ED*: 5 mg/m3
  - VLA-EC*: 10 mg/m3

  *According with the list of Environmental Limit Values of Professional Exposure adopted by the Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT) for the year 2007
- Personal protection
  - Respiratory: In the case of respiratory failure use the adequate respiratory equipment
  - Hands: Adequate gloves
  - Eyes: Adequate safety glasses
  - Skin: Adequate clothes for work and closed shoes
- General measures of protection and health
  The necessary in companies handling chemical products

9. Physical and chemical properties

Aspect: liquid
Color: light amber
Odor: light
Density at 15ºC: 0,89 gr/cc
Viscosity E 50 ºC: 3-4,5 cSt
Solubility in water: not soluble
Solubility in oil: Soluble
pH Concentrated: N.A.
pH at N.A. %: N.A.
Steam pressure: N.D.

Fusion point: N.D. ºC
Boiling point: N.D. ºC
Flammability (flash) point:: 246ºC
Auto-flammability: N.A. ºC
Partition coefficient: N.D.
Explosion danger: N.A.
Solvent contents: N.D.
Evaporation speed: N.D.
Comburent properties: N.A.
Other:

N.A.: Not of application – N.D.: Not determinate

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10. Stability and reactivity

- Conditions to avoid: Heat surfaces, ignition sources
- Materials to be avoid: acids and strong oxydation agents
- Dangerous decomposition products: During the thermal decomposition and combustion can come carbon oxide

11. Toxicologycal information

- Oral toxicity: it can feel sick or it can produce irritation of the digestive system
- Toxicity by inhalation: In appreciable quantity and through the respiratory canals, it can cause headache.
- Dermal toxicity: the prolonged contact can produce irritation on the skin
- Eye toxicity: the prolonged contact can produce eye irritation
- Sensitization: Effects of sensitization are unknown
- Additional Information: not of application

12. Ecological informations

- Mobility: not determined
- Bioaccumulation: not determined
- Biodegradability: by its composition, this product has a slow biodegradability
- Ecotoxicity: not determined
- Other harmful effects: prevent the pollution of the soil, water or drainage systems

13. Notes for elimination

- Product: to incinerate or to place according with the local regulations
- Packing: the packs not contaminated will be treated as the domestic wastes or as recyclable material. The contaminated ones will be treated as the product
- State and EU legislation: Law 10/1998 of Residues, Law 11/1997 of Packing and Packing Residues and subsequent modifications. Real Decreto 679/2006 about used oils

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14. Transport information

The transport is not dangerous. In the case of accident and product spillage, act according with point 6

15. Regulations Information

The product is not classified as dangerous according with the Regulation about the classification, packing and labeling of dangerous compounds

The previous classification is applicable to the way of supply of the product and not as an emulsion

16. Other informations

The information given in this Safety data sheet has been written according with the REGULATION (CE) nº 1907/2006 OF THE EUROPEAN PARLAMENT AND THE COUNCIL of the 18th December 2006 relative to the register, the evaluation, the authorization and the restriction of the chemical substances and compounds (REACH). The European Agency of Chemical Substances and Compounds is created and it modifies the Directive 1999/45/CE and repeals the Regulation (CEE) nº 793/93 of the Council, and the Regulation (CE) nº 1488/94 of the Commission, as well as the Directive 76/769/CEE of the Council and the Directives 91/155/CEE, 93/105/CE and 2000/21/CE of the Commission.

This information is based in the actual state of our knowledge. Its objective is to describe our products from the safety side, so we do not grant concrete properties of the products.

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