PF 773®

Safety Data Sheet
Revised: 20/01/2017

Section 1: Product Identification / Company Information

Product identification: PF773®
Commercial name: PF773®

Manufactured by:
BIOTEK PETROL SRL
Calle 2 Mz53/S12 esq. Colón, Ciudad de la Costa, Canelones, Uruguay

Synonyms: N/A

Chemical formula: Excipients, organic solvents and alcohols.

Emergency contact:
(+598) 2696 9259
GMT/UTC -3 (working hours from 9.30-17.00)

Website: www.biotekpetrol.com
E-mail: info@biotekpetrol.com

USE: Crude oil viscosity reducer and quality improver.

Section 2: Composition / Ingredient information

IINGREDIENTS: MATERIAL/COMPOUND:
Mixture of hydrocarbons and alcohols

Does not contain NPE (nonylphenol ethoxylates)
Chemical composition% biodegradable

Section 3: Hazardous identification

Classification of the mixture: Flammable liquid, Category 3
Target specific, organ toxicity: N / A
Aspiration hazard: Category 1
GHS Label elements (danger pictograms):

Hazard statements: combustible liquid. It is harmful if inhaled. It causes skin irritation and can cause eye irritation. It can be fatal if it is swallowed and enters the respiratory tract. May cause drowsiness and vertigo.

Precautionary statements: it is recommended to wear protective gloves. It is advisable to use eye or face protection. Keep away from flames and hot surfaces. No Smoking. Use only outdoors or in a well-ventilated area. Avoid breathing the vapor. Wash your hands thoroughly after handling this product.

If inhaled: Remove victim, take to well-ventilated area where there is fresh air and seek medical attention. Call a poison control center or doctor if you feel sick.

If swallowed: Call a poison control center or doctor immediately. Do not induce vomiting.

Skin contact: Wash with plenty of soap and water. Remove contaminated clothing. Wash contaminated clothing before re-use. If skin irritation occurs seek medical attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing. If eye irritation persists: seek medical attention.

Storage: Keep the container tightly closed. Store in a well ventilated place. Keep calm. Avoid smoking.

OSHA: This material is considered hazardous by the OSHA Hazard Communication Standard, (29 CFR 1910.1200).

Section 4: First Aid

PROCEDURES in CASE of EMERGENCY:

INHALATION MEASURES: withdraw and avoid further exposure. For those cases provide assistance, avoid exposure of others.

EYES: Acute toxicological properties, if there is damage to the eyes, wash immediately with large amounts of water for at least 15 minutes and call a doctor. Contact with this product may result in irritation, burns and permanent damage.

SKIN: Damage to the skin if it is not washed immediately; seek medical help when irritation is observed.
Acute oral LD50 = 1000 mg / kg (mouse). Rinse with large amounts of water for 15 minutes.

INHALATION: Remove victim, take to well-ventilated area where there is fresh air and call or consult your doctor immediately. If any breathing problems persist or if there is contact with the mouth, rinse the mouth with water.

INGESTION: If accidentally swallowed, do not induce vomiting. Follow the prevention measures in MSDS

Section 5: Fire prevention measures

Specific risks derived from chemistry: liquid Fuel. In a fire or if it is heated, there will be an increase in pressure and the container may burst, with the risk of a subsequent explosion. Runoff to a sewer can create a risk of fire or explosion. Fire water contaminated with this material must be contained and prevented from being discharged to navigation, sewer or drainage.

Extinguishing medium: Chemical use, carbon dioxide (CO2), water (fog) dry foam.

Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon monoxide and carbon dioxide.

Extinguishing media: Chemical use, carbon dioxide (CO2), water (fog) dry foam.

EXTINGUISHING AGENTS: Use the most appropriate fire extinguishing measure for fire in the area according to the immediate conditions.

SPECIAL FIRE FIGHTING PROCEDURES: Cool containers exposed to fire with water.
Special protection recommendations for firefighters: Isolate the scene by removing all people in the vicinity from the area of the incident in case of fire. Do not take any personal risk especially without adequate training. Move the containers from the fire area if this can be done without risk. Use water spray to cool containers exposed to fire

Section 6: Procedures in case of spills or accidental release

Personal protective equipment: avoid unnecessary and unprotected contact or walk through the spilled material. Turn off all sources of ignition, no smoking or flames in the danger zone. Avoid breathing steam or fog. Ensure adequate ventilation. Wear appropriate respirator when ventilation is inadequate. The personnel must wear protective equipment.

ACCIDENTAL release measures: contain and collect spillage with non-combustible material, absorbing eg. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

MEASURES for the protection of the environment: avoid entry into water channels.

METHOD of waste disposal: dispose of it according to the established norms.

PROCEDURES: notification in case of spillage or accidental release, notify the competent authorities according to all applicable regulations. The regulations require reports of spills of this material to the environment that exceed oil spills or reportable amounts that could reach any channel including intermittent dry streams.

Section 7: Handling and storage

HANDLING and storage: Keep the container tightly closed and avoid ignition or spark
OTHER PRECAUTIONS: Use safety equipment for work when using this product
DISPOSAL: Use state or federal regulations for the handling of dangerous products
PRODUCT LIFE INFORMATION: Contact BIOTEK PETROL SRL Customer Service at:
(+598) 2696 9259

Section 8: Protection equipment

Employers must complete an assessment of every place of work: to determine the need, selection of; controls, adequate exposure and protective equipment for each task performed.
Engineering controls: Ensure adequate ventilation, especially in confined areas.

RESPIRATORY protection: It is recommended to wear a mask when handling it.
Eyes Protection: Wear safety glasses

Section 9: Physical/Chemical characteristics

Consult the supplier in section I for further details.
Physical state: liquid
Color: Clear
Odor: N/D
BOILING point: 62° C
Melting point: N/A
Specific gravity: (H2O = 1): 0.83
VAPOR pressure: 0.4kPa (3mm Hg) (at 20C)
% VOLATILES BY VOLUME: 680 g / l VOC (w / v)
VAPOR density (air = 1): 5.3
SOLUBILITY IN water (% VOL): (<o.1% w/v)
% VOLATILES BY VOLUME: 3%
P.M.: N/A.
Description: Liquid, clear in color, non-corrosive, not reactive, flammable, toxic to aquatic organisms.

Section 10: Stability and reactivity data

STABILITY: Stable
Reactivity: Not expected to be explosive or generate a spontaneous reaction.
Conditions to avoid: Avoid all possible sources of ignition (spark or flame)
Incompatibility (materials to avoid): N / A
Dangerous decomposition products: N/A
Hazardous polymerization: N/A

Section 11: Toxicology information data

Eco Aquatic toxicity: N / A
Toxins Acute oral: LD50 = 1000 mg / kg (mouse).
Aspiration / Hazard: Category 1
Information of possible routes of exposure:
Routes of anticipated entry: Oral, dermal, inhalation
Health risks:
MAXIMUM LIMITS ALLOWED:
TWA: 1350 mg / m3
STEL: 1800 mg / m3
ROOF (C): N / A
IPVS: N / A
POTENTIAL HEALTH EFFECTS. From medium to high toxicity. Excessive exposure can re-

sult in injury to the eyes, skin or respiratory irritation. Prolonged exposure to the skin can cause serious damage.

NFPA danger ID: Health: 2 flammability: 3 Reactivity: 0
HMIS danger ID: Health: 2 flammability: 3 Reactivity: 0

Chronic health effects general: Not known
Carcinogenicity: It is not known.
Mutageneity: Not known
Teratogeneity: Not known
Effects on development: Not known

NOTE: This material should not be used for any other purpose than its recommended use (section I), without expert advice. Studies have shown that exposure to chemicals can cause potential risks to human health that can vary from person to person.

Section 12: Ecological information

ECOLOGICAL INFORMATION: Persistent / degradability: BIODEGRADABLE

Section 13: Disposal considerations

WASTE DISPOSAL METHOD: Dispose in accordance with local government, state and federal regulations. For proper disposal of the used material, an assessment must be completed to determine what is proper and permissible and the management options allowed by the rules, regulations and laws that govern its location.

ACCORDING TO THE NUMBER OF EPA HAZARDOUS WASTE: It is not considered a hazardous waste

RCRA: PRODUCT PACKAGING AND DISPOSAL: dispose of packaging in accordance with federal, state, and local requirements as well as compliance with regulations and laws that govern its location.

Section 14: Transport information

Load classification: Crude oil viscosity reducer and quality improver
Special transportation notes:
NMFC (National Motor Freight Classification): Flammable

Shipping name: PF 773 ®
CLASSIFICATION OF SHIPMENT: Dangerous

Land and rail UN number 1263
Maritime UN number 1263
Aerial UN number 1263

Class 3 Packaging group III risk ID - 30
Class 3 Packing group III marine pollutant
Class 3 Packaging group III 31

Section 15: Regulatory information

The United States federal regulations list the following components: United States inventory of NONANO (8b TSCA): all components are listed or exempted.

SARA 302/304 SARA 304 RQ: Not applicable.

Composition / information on ingredients classification of SARA 311/312: immediate (acute) risk of fire hazard.

Section 16: Other information

This safety data sheet contains changes from the previous version in sections: included in this new format of new safety data sheet. The information contained herein reflects the most recent data.

If you have any questions, please call: (+598) 2696 9259 GMT/UTC -3 (working hours from 9.30-17.00)

Disposal of the product, please follow the rules and regulations of each country either at state or federal level.

Disclaimer: None of the ingredients are dangerous or toxic. The chemical properties are displayed in TSCA, EPA inventory. Where, any express or implied warranty regarding this data or the results to be obtained from its use. Biotek Petrol, SRL assumes no responsibility of injury to customers or third parties caused by the material if security procedures are not followed as indicated in this safety data sheet.