

# BROSPLUS®

Safety Data Sheet  
Revised: 20/01/2017

## **Section 1: Product Identification / Company Information**

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**Product identification:** Brosplus®

**Commercial name:** Brosplus®

**Manufactured by:**

BIOTEK PETROL SRL

Calle 2 Mz53/S12 esq. Colón, Ciudad de la Costa, Canelones, Uruguay

**Synonyms:** N/A

**Chemical formula:** MPB50® and water.

**Emergency contact:**

(+598) 2696 9259

GMT/UTC -3 (working hours from 9.30-17.00)

**Website:** [www.biotekpetrol.com](http://www.biotekpetrol.com)

**E-mail:** [info@biotekpetrol.com](mailto:info@biotekpetrol.com)

**USE:** Accelerator of bio-treatment processes in soils and open waters (fresh and salt), contaminated with hydrocarbons and its derivatives. It can be used in the cleaning of vegetation contaminated with hydrocarbons.

## Section 2: Composition / Information of ingredients

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### INGREDIENTS: MATERIAL/COMPOUND:

It is a 100% natural bio-activated product. Composed of bacteria (Bacillus family), non-pathogenic and non-toxic. All the ingredients in the concentrations applied are not considered or classified as dangerous to health or the environment.

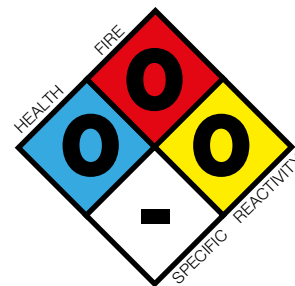
Due to the percentage of chemical composition, the components are biodegradable at their final disposal.

## Section 3: Hazards identification

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This product is not considered hazardous under Federal OSHA standard risk communication criteria 29 CFR 1910.1200 and EPA. And is consistent with the GHS global system of classification and labeling of chemical products.

**Hazardous class:** No  
**Hazardous category:** No  
**Dangerous composition:** No



**POTENTIAL effects to health:** N/A  
**TOXICOLOGY:** Non-Toxic. (See section 11 for more information)

**Skin contact:** N/A

**Eyes contact:** not expected to cause injury

**Ingestion:** Can be toxic in large quantities. May cause stomach pain and induce vomit.

**Conditions aggravated by exposure:** none known carcinogen: N/A

**OSHA:** None

**Others:** None

## Section 4: First Aids

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### PROCEDURES in case of emergency and first aid

**Eyes:** Flush eyes with plenty of water.

**SKIN:** Wash with plenty of water.

**INGESTION:** Do not ingest. **IN CASE OF ACCIDENTAL INGESTION:** Drink abundant water and immediately contact your center for poison control, a doctor or hospital

**INHALATION:** If exposed to the product for a prolonged time, move the person into a well-ventilated area. If the person experiences shortness of breath or dizziness, seek medical attention immediately

## Section 5: Fire prevention measures

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**Limits of ignition in air % vol.;** Inferior: N/A, Superior: N/A

**Extinct Agent:** N/A

**Special procedures to attack fire:** N/A

**Risk of explosion and sudden fire:** N/A

## Section 6: Procedures in case of spills or accidental release

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**Personal protective equipment:** Wear safety glasses and rubber gloves.

**ACCIDENTAL release measures:** Pick up physically, get rid of the waste, then rinse the area with abundant water.

**MEASURES for the protection of the environment:** avoid the product entering water channels.

**METHOD of waste disposal:** Drain well or dispose in accordance with the regulations established.

## Section 7: Handling and storage

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**HANDLING and storage:** Keep container tightly closed and avoid direct contact with sun light and high temperatures to prevent decomposition.

**OTHER precautions:** Use safety equipment for the job. Cleaning method: as recommended by place of work. It could be slippery when the floor is wet.

**For information of product lifetime:** please contact Biotek Petrol SRL. +598 2696 9259 customer service.

## Section 8: Protection equipments

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

**Engineering controls:** Ensure adequate ventilation, especially in confined areas.

**RESPIRATORY protection:** It is recommended to wear a protective mask for the job.

**Eyes Protection:** Wear safety glasses in every task or follow the safety work practices: use of safety equipment at work.

## Section 9: Physical/Chemical characteristics

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Typical physical and chemical properties are the following. For further details contact the supplier in section I.

**Physical state:** liquid

**Color:** Dark amber

**Odor:** slight ammonia smell.

**Boiling point:** 760 mmHg: > 100° C

**Molecular weight:** specific ND

**Gravity at 25 ° C:** 1.00 - 1.15

**Vapor pressure:** water pH at 25 ° C: 7.5-8.0

**Solubility in water (WT %):** 100%

**Evaporation rate:** n/d: Not determined

**Description:** Liquid, non-toxic, non-corrosive, not reactive, non-allergenic, pH (25° C) = 7.00 - 7.80

## Section 10: Stability and reactivity data

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**STABILITY:** Stable

**Conditions to avoid:** High temperature

**Incompatibility (materials to avoid):** N / A

**Dangerous decomposition products:** N/A

**Hazardous polymerization:** N/A

## Section 11: Toxicology information data

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**Toxicology:** LC50 96 h acute toxicity at BROS-PLUS test using the mysid shrimp estuary *Metamysidopsis insularis*, as the animal's test was 0.02% or 261.36 mg/L,

**Additional toxicological information:** the product is not toxic according to the toxicological classification of EC on substances toxic.

**NOT TOXIC.** If used as recommended

## Section 12: Ecological information data

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**BROSPLUS** - was tested for aerobic biodegradability as a solution the OECD 301 test method on a window from 28 days under optimal conditions. The data suggest that in 28 days, biodegradability is 85%.

**ECOLOGICAL INFORMATION:** Persistent / degradability: BIODEGRADABLE

**BIO - accumulation:** no bio-accumulation

## Section 13: Considerations for disposal

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**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.

**RCRA HAZARD CLASS:** N/A

## Section 14: Transport information

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**United States Department of transportation**

**Hazard class:** N/A NMFC (National Motor Freight Classification):

**Shipping name:** BROSPLUS ®

**Class:** 70 road non-flammables, non-hazardous

**Shipping classification and railway ADR/RID (cross border):** unregulated

**Class ADR/RID-GGVSe:** not regulated for vessel

**IMDG:** not regulated for air

**ICAO-TIATA-DGR:** not regulated

## Section 15: Regulatory information

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**OSHA status:** This product is not dangerous under OSHA29 CFR 1910.1200 criteria.

**TSCA status:** This product is under TSCA (Complete response compensation and Liability Act) not reported.

**SARA title III** (amendments from a CERCLA (comprehensive response compensation and Liability Act)): not reportable

**EPA's hazardous substances (40 CFR 302) = s/o state of SARA 302** no chemicals in this material are considered hazardous substances according to the standards of SARA title III, section 302.  
N/A

**section 311/312 hazard categories:** non-hazardous under section 311/312

**section 313 toxic chemical:** N / A

**SARA 313:** This material does not contain any chemical component above the minimum threshold set out in the list of toxic chemicals (TLI) that must be reported in compliance with the SARA guidelines, Title III, Section 313.

#### **EUROPEAN UNION**

Classification of the European Union according to the Regulation (EU) 1272 / 2008.

Classification according to Regulation (EC) No.648/2004

**RCRA State:** It is discarded in the form of purchase, where this product contains no hazardous waste either by list or by characteristic.

**POINT NOT BULK /IMDG:** NOT REGULATED

**IATA/ICAO = NOT REGULATED AS DANGEROUS GOODS.**

### **Section 16: Other information**

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This safety data sheet contains changes from the previous version in many sections, that are 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 to: (+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 precise ingredients are dangerous. The chemical properties are displayed in TSCA, EPA inventory. Where, any express or implied warranty regarding these data or the results to be obtained from your use of it, Biotek Petrol SRL. assumes no responsibility of injury to customers or third parties caused by the material if security procedures are not followed as referred to, in this safety data sheet.