

# Material Safety Data Sheet

## Company Identification

A. R. Associates  
Bosque de Duraznos – 75-702  
Col. Bosques de las Lomas  
Mexico D. F.  
11700

## Emergency Telephone Numbers

U.S. Health & Transportation (24HR.):  
1-800-490-4113  
Domestic North America:  
1-800-490-4113

## PRODUCT NAMES:

BIO FUEL PLUS  
BPI (BIO-PETRO IMPROVER),  
Biodegradable Enzyme Catalyst  
Fuel Additive

## SYNONYM:

## Product Use:

## PRECAUTIONARY STATEMENT

### CAUTION:

Material can sublime at temperatures greater than 100°

## I. PRODUCT COMPONENTS

Proprietary 100%

## II. PHYSICAL PROPERTIES

|                                      |                       |
|--------------------------------------|-----------------------|
| <b>APPEARANCE</b>                    | Greenish Crystal      |
| <b>ODOR</b>                          | Mild Aromatic Camphor |
| <b>BOILING POINT</b>                 | N/A                   |
| <b>FREEZING POINT</b>                | None                  |
| <b>VAPOR PRESSURE</b>                | 0.04HPA               |
| <b>VAPOR DENSITY</b>                 | 4.42 AIR=1            |
| <b>SPECIFIC GRAVITY (H2O=1)</b>      | 1.4                   |
| <b>EVAPORATION RATE (BUTYL Ac=1)</b> | 0.7%                  |
| <b>SOLUBILITY IN WATER</b>           | Insoluble             |
| <b>SOLUBILITY IN SOLVENTS</b>        | Not Recommended       |

## III. HEALTH HAZARD DATA

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>EYE IRRITATION</b>   | SLIGHT IRRITATION                    |
| <b>SKIN IRRITATION</b>  | NON IRRITATING                       |
| <b>SYSTEMIC EFFECTS</b> | NON TOXIC BY INGESTION OR INHALATION |

#### IV. **EMERGENCY FIRST-AID PROCEDURES**

##### **EYE CONTACT**

Flush eyes immediately and thoroughly with large amounts of flowing water; continue for at least 15 minutes. Consult a Physician if irritation persists.

##### **SKIN CONTACT**

Wash promptly and thoroughly with water, then with soap and water. Remove any contaminated clothing at once and wash before reuse.

##### **INHALATION**

Remove at once to fresh air. Administer oxygen if breathing is difficult. Administer artificial respiration if breathing has stopped. Consult a Physician.

##### **INGESTION**

Drink 1-2- glasses of milk or water and consult a Physician. Do not induce vomiting. (Do not give fluids if individual is unconscious or is having convulsions.

#### V. **SPECIAL PROTECTION INFORMATION**

##### **EYE PROTECTION**

Safety glasses and face shield, or chemical safety goggles.

##### **RESPIRATORY PROTECTION**

None required under normal working conditions. If dust is excessive an approved respirator, dust mask, or fresh air mask should be worn.

##### **SKIN PROTECTION**

Protective gloves.

##### **VENTILATION**

Local mechanical exhaust.

#### VI. **FIRE AND EXPLOSION HAZARD DATA**

##### **FLASH POINT (TEST METHOD)**

78.9 ASTMD-92

##### **FLAMMABLE LIMITS (% By Volume In Air)**

Upper – 6.92%  
Lower – 5.51%

##### **AUTOIGNITION TEMPERATURE**

540°C

##### **EXTINGUISHING MEDIA**

Water spray, CO<sub>2</sub>, dry chemical foam. Class A, B, or C fire extinguishers are suitable for extinguishing fires.

##### **SPECIAL FIRE-FIGHTING PROCEDURES**

Fire fighters should wear self-contained breathing apparatus.

##### **UNUSUAL FIRE OR EXPLOSION HAZARD**

Light fire hazard. May be ignited by sparks.

#### VII. **REACTIVITY DATA**

##### **STABILITY (THERMAL, LIGHT, ETC.)**

Stable

Unstable

##### **CONDITIONS TO AVOID**

Temperatures greater than 100°C

##### **HAZARDOUS DECOMPOSITION PRODUCTS**

None known.

**VIII SPILL OR LEAK PROCEDURES****PRECAUTIONS IF MATERIAL IS  
SPILLED OR RELEASED  
WASTER DISPOSAL METHODS  
NOTE:**

Sweep up spilled material and shovel into containers; wash down spill area with water. Material may be incinerated in an approved incinerator or contained in an approved secured burial site.

**INSURE CONFORMITY WITH LOCAL, STATE  
AND FEDERAL REGULATIONS BEFORE  
DISCHARGING TO AIR, WATER SYSTEMS OR  
LAND AREAS.**

**IX SHIPPING CLASSIFICATION**

|  |                          |
|--|--------------------------|
| Shipping name.....                     | Fuel Additive            |
| Hazardous Classification.....          | Non-Hazardous            |
| Hazardous Waste Classification.....    | None                     |
| Ignitibility.....                      | 540°C open cup           |
| Corrosivity.....                       | None                     |
| Reactivity.....                        | None                     |
| Department of Transportation Guideline | Refer to NFPA 704 rating |

**X SPECIAL PRECAUTIONS AND NOTES****HANDLING  
AND STORAGE**

|                          |                              |
|--------------------------|------------------------------|
| Storage/Packaging.....   | Standard Ventilation         |
| Spill<br>Procedure.....  | Standard Disposal (see VIII) |
| Storage.....             | Cool, dry conditions         |
| Shipping Conditions..... | Fragile, keep dry.           |

**XI ECOLOGICAL DATA****DEGRADATION****SLOWLY DEGRADABLE****XII DOCUMENTATION**

|                  |                         |
|------------------|-------------------------|
| Product Code No: | NOXOUT 49/15 – BPTAB/10 |
| Issue Date:      | 5/1/07                  |
| Prior Date:      | 5/1/05                  |

The information above is based on data that, to the best of our knowledge and belief, is accurate.

Prepared By:

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Consultant to A.R. Associates

**Rojo:** Inflamable  
**Azul:** Riesgo de Salud  
**Amarillo:** Reactividad  
**Bianco:** Riesgos Especiales

