

# MATERIAL SAFETY DATA SHEET

## Company Identification

Fuel Freedom International, LLC  
650 Douglas Avenue, Suite 1020  
Altamonte Springs, FL 32714

## Emergency Telephone Numbers U.S. Health & Transportation (24 HR.):

**Domestic North America: 800-424-9300**  
**INTERNATIONAL: 703-527-3887**  
(Collect calls accepted)

## PRODUCT NAME:

MPG-CAPS MPG-100

**SYNONYM:** Tablets for Fuel

## PRECAUTIONARY STATEMENT

**CAUTION:** Material sublimes at temperatures greater than 100°C.

## PRODUCT COMPONENTS

Proprietary	100%
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## PHYSICAL PROPERTIES

APPEARANCE	Orange-Brownish tablet
ODOR	Mild turpentine-like odor
BOILING POINT	480°F (249°C)
MELTING POINT	339°F (173°C)
VAPOR PRESSURE	0.03 MM Hg @ 40°C
VAPOR DENSITY	AIR = 1
SPECIFIC GRAVITY (H2O=1)	N/D
EVAPORATION RATE (BUTYL Ac = 1)	N/D
SOLUBILITY IN WATER (% BY WEIGHT)	Insoluble
% VOLATILES BY VOLUME	Volatile in Stream
SOLUBILITY IN OTHER SOLVENTS	Alcohol, ether

### HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (TLV)	10 mg/m <sup>3</sup> (ACGIH)
EYE IRRITATION	In studies on rabbits, MPG-CAPS proved to be non-irritating to the eyes.
SKIN IRRITATION	In studies on rabbits, MPG-CAPS proved to be non-irritating to either abraded or intact skin. LD50 dermal rat: 3,000 mg/kg.
SYSTEMIC EFFECTS	MPG-CAPS are moderately toxic by ingestion or inhalation (acute oral LD50, rat: 1320 mg/kg; acute inhalation LC50 > 150mg/m <sup>3</sup> or 20 ppm). Chronic ingestion has produced liver damage in experimental animals.

### 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.)

### 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.

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**FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (TEST METHOD) NA	FLAMMABLE LIMITS (% By Volume In Air) Upper - Lower -Unknown	AUTOIGNITION TEMPERATURE Unknown
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	Moderate fire hazard. Can be readily ignited by sparks.	

**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.)	Stable <u>X</u> Unstable _____
CONDITIONS TO AVOID	Temperatures greater than 100°C
INCOMPATIBILITY (Materials to avoid)	Oxidizing Materials. Reacts violently with NH <sub>4</sub> ClO <sub>4</sub> (ammonium perchlorate).
HAZARDOUS DECOMPOSITION PRODUCTS	None known.
HAZARDOUS POLYMERIZATION	May Occur _____ Will Not Occur <u>X</u>

**SPILL OR LEAK PROCEDURES**

PRECAUTIONS IS MATERIAL IS  
SPILLED OR RELEASED  
WASTE DISPOSAL  
METHODS

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.

NOTE:

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

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**SHIPPING CLASSIFICATION**

SHIPPING NAME:	FLAMMABLE SOLID, ORGANIC N. O. S.
HAZARD CLASS & DIV:	4.1
ID NUMBER:	UN 1325
PACKING GROUP:	III
DANGEROUS WHEN WET:	NO
POISON	NO

**SPECIAL PRECAUTIONS AND NOTES**

HANDLING AND STORAGE	Store in accordance with rules for flammable solid. PROTECT FROM IGNITION OR HEAT SOURCE.
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**ECOLOGICAL DATA**

Degradation 60% (OCED 301B; 28 Days)	
Slowly Degradable	
LC <sup>o</sup> (Goldfish, 48 Hour)	4.5 mg/liter
EC50 (Daphnia)	2.7mg/liter
EC50 (Algae)	2.8mg/liter

**Documentation**

Product Code No:	MPG-100 / MPG-CAPS
Issue Date:	July 1, 2006
Prior Date:	N/A

The information above is based on data that, to the best of our knowledge and belief, is accurate. However, NO WARRANTY is expressed or is to be implied regarding the accuracy of this information, the results to be obtained for the use thereof, or the hazards connected with the use of material. The user assumes responsibility for the results of its use. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the effects, properties, procedures and protections, which pertain to their particular conditions.