

MATERIAL SAFETY DATA SHEET

COMPANY IDENTIFICATION

First World Trade Corp.
17-120 West Beaver Creek Rd.
Richmond Hill, Ontario L4B 1L2

EMERGENCY TELEPHONE NUMBERS:

U.S. HEALTH & TRANSPORTATION (24 HR.):

CHEMTREC (800) 424-9300

INTERNATIONAL (24 HR.):

CHEMTREC (703) 527-3887

INFORMATION: (562) 690-9336

PRODUCT NAME:

Tablets for Fuel

Product No. 63104, 63107, 63125

SYNONYM:

Fuel Tablets

PRECAUTIONARY STATEMENT

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

PRODUCT COMPONENTS

| <u>COMPONENT NAME</u> | <u>% WEIGHT</u> | <u>CAS NO.</u> |
|-----------------------|-----------------|----------------|
| Proprietary | 100% | ----- |

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 (H ² O=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 |

First World Trade Corp.
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Tel: (905) 771-8282 Fax: (905) 771-0838
E-mail: info@firstworldtrade.com

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HEALTH HAZARD DATA

| | |
|-----------------------------|--|
| THRESHOLD LIMIT VALUE (TLV) | 10 mg/m ³ (ACGIH) |
| EYE IRRITATION | In studies on rabbits, BIOMILE proved to be non-irritating to the eyes. |
| SKIN IRRITATION | In studies on rabbits, BIOMILE proved to be non-irritating to either abraded or intact skin. LD ₅₀ dermal rat: 3,000 mg/kg. |
| SYSTEMIC EFFECTS | Biomile is moderately toxic by ingestion or inhalation (acute oral LD ₅₀ , rat: 1320 mg/kg; acute inhalation LC ₅₀ >150 mg/m ³ 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 give fluids or attempt to induce vomiting 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)
N/A

FLAMMABLE LIMITS (% By Volume In Air)
Upper -Lower -
Unknown

AUTOIGNITION TEMPERATURE
Unknown

EXTINGUISHING MEDIA Water spray, CO₂, 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 X Unstable ___

CONDITIONS TO AVOID Temperatures greater than 100°C

INCOMPATIBILITY (Materials to avoid) Oxidizing Materials. Reacts violently with NH₄ClO₄ (ammonium perchlorate).

HAZARDOUS DECOMPOSITION PRODUCTS None known.

HAZARDOUS POLYMERIZATION May Occur ___ Will Not Occur X

SPILL OR LEAK PROCEDURES

PRECAUTIONS IF 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
For emergency information call: (703) 527-3887
(Chemtrec International)

SPECIAL PRECAUTIONS AND NOTES

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

ECOLOGICAL DATA

Degradation 60% (OCED 301B; 28 Days)
Slowly Degradable
LC₀ (Goldfish, 48 Hour) 4.5 mg/liter
EC₅₀ (Daphnia) 2.7 mg/liter
EC₅₀ (Algae) 2.8 mg/liter

Documentation

Product Code No: 63104, 63107, 63125
Issue Date: August 20, 2013
Review Date: August 20, 2016

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.