

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

NFPA/HMIS

Health: 2

Flammability: 3

Reactivity: 0

Other: 0

PRODUCT NAME: Boost

Section 1 – General Information

Manufactured for:

Fuel Freedom International, LLC

650 Douglas Avenue, Suite 1000

Altamonte Springs, FL 32714

Phone: 407-862-9100

Emergency: ChemTel 800-255-3924

Date prepared: 6/1/06

Section 2 - Component Information

Our hazard evaluation has identified the following chemical ingredient(s) as hazardous under OSHA's Hazard Communication Rule, 29 CFR 1910.200. Consult Section 15 for the nature of the hazard(s).

Ingredient(s)	CAS #	Approx. %
Light aromatic naphtha	64742-95-6	70 – 100
*Xylene	1330-20-7	<10
*Methyl Alcohol	67-56-1	<5

*Regulated as a toxic chemical under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Section 3: Hazard Identification

Emergency Overview

CAUTION: Combustible. May cause irritation to skin and eyes. Prolonged inhalation of vapor may be harmful. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated breathing of vapor. Use with adequate ventilation. Do not take internally. Keep away from heat and open flame. Keep container closed when not in use.

Empty containers may contain residual product. Do not reuse container unless properly reconditioned.

PRIMARY ROUTE(S) OF EXPOSURE: Eye, Skin Inhalation

EYE CONTACT: Can cause moderate irritation.

SKIN CONTACT: Can cause mild irritation.

INHALATION: Prolonged inhalation of vapor or mist may be harmful.

SYMPTOMS OF EXPOSURE:

ACUTE: Inhalation of high concentration of light aromatic naphtha can cause nausea, dizziness, vomiting, stupor or unconsciousness.

CHRONIC: Prolonged skin contact with heavy aromatic naphtha can cause defatting of skin, resulting in irritation and dermatitis.

AGGRAVATION OF EXISTING CONDITIONS: A review of available data does not identify any worsening of existing conditions.

Section 4: First Aid Information

EYES: Immediately flush with water for at least 15 minutes while holding eyelids open. Call a physician at once.

SKIN: Wash thoroughly with soap and rinse with water. Call a physician.

INGESTION: DO NOT INDUCE VOMITING. Give 2 glasses of water. Call a physician and advise petroleum distillates have been swallowed.

INHALATION: Remove to fresh air. Treat symptoms. Call a physician.

NOTE TO PHYSICIAN: Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

CAUTION: If unconscious, having trouble breathing or in convulsions, do not induce vomiting or give water.

Section 5: Firefighting Measures

Flash Point: 105F (PMCC) ASTM D-93

Auto-Ignition Temperatures: Greater than 495F (ASTM D2155-66)

LEL: 1%

Extinguishing Media: Based on the NFPA guide, use dry chemical, foam, carbon dioxide or other extinguishing agent suitable for Class B fires. Use water to cool containers exposed to fire. For large fires, use water spray or fog, thoroughly drenching the burning material.

Unusual Fire and Explosion Hazard: Containers exposed in a fire should be cooled with water to prevent vapor pressure buildup, leading to rupture.

Section 6: Accidental Release Measures

In case of transportation accidents, call the following 24-hour telephone number (CHEMTEL) 1- 800-255-3924

Spill Control and Recovery:

Small liquid spills – contain with absorbent material, such as clay, soil or any commercially available absorbent. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal. Refer to CERCLA in Section 15.

Large liquid spills – dike to prevent further movement and reclaim into recovery or salvage drums or tank truck for disposal. Refer to CERCLA in Section 15.

For large indoor spills – Evacuate employees and ventilate area. Those responsible for control and recovery should wear the protective equipment specified in Section 8.

Keep the spill away from heat, sparks, flames and welding operations. Ventilate area and evacuate employees from exposure if the airborne concentration exceeds the TLV. Refer to Section 15.

Section 7: Handling and Storage

Storage: Keep container closed when not in use.

Section 8: Exposure Control and Personal Protection

Respiratory Protection: Respiratory protection is not normally needed since the volatility and toxicity are low. If significant mists are generated, use either a chemical cartridge respirator with a dust/mist prefilter or supplied air.

For large spills, empty into large tanks, vessels or enclosed small spaces with inadequate ventilation, a positive pressure, self-contained breathing apparatus is recommended.

Ventilation: General ventilation is recommended.

Protective Equipment: Use impermeable gloves and chemical splash goggles when attaching feeding equipment, doing maintenance or handling product. Examples of impermeable gloves available on the market are neoprene, nitrile, natural rubber and viton (compatibility studies have not been performed.)

The availability of any eye wash fountain and safety shower is recommended.

If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before use.

Human Exposure Characterization: Based upon recommended product application and recommended personal protection equipment, the potential human exposure is Moderate.

Section 9: Physical and Chemical Properties

Color:	Clear Amber Liquid	
Density:	7.2 – 7.5 lb./gal	
Specific Gravity:	0.88 @ 60F	ASTM D-1298
Flash Point:	105F (PMCC)	ASTM D-92
Solubility in Water:	<1%	
Odor:	Hydrocarbon	

Section 10: Stability and Reactivity

Incompatibility: Avoid contact with strong oxidizers (e.g. Chlorine, peroxides, chromates, nitric acid, perchlorates, concentrated oxygen, permanganates) which can generate heat, fires, explosions and the release of toxic fumes.

Thermal Decomposition Products: In the event of combustion CO, CO₂ may be formed. Do not breathe smoke or fumes. Wear suitable protective equipment.

Section 11: Toxicological Information

Toxicity Studies: No toxicity studies have been conducted on this product.

Section 12: Ecological Information

If released into the environment, see CERCLA in Section 15.

Section 13: Disposal Considerations

Disposal: If this product becomes a waste, it meets the criteria of a hazardous waste as defined under the resource Conservation and Recover Act (RCRA) 40CFR261. Hazardous Waste D001. In addition, this product may contain trace levels of benzene. Before disposal, the product should be analyzed to determine if it meets the hazardous waste classification of D018 (Toxicity Characteristic Leaching Procedure (TCLP) Test).

As a hazardous liquid waste, it must be solidified with stabilizing agents (such as sand, fly ash, or cement) so that no free liquid remains before disposal to a licensed industrial waste landfill (Hazardous Waste Treatment, Storage and Disposal Facility). A hazardous liquid waste can also be incinerated in accordance with local, state and federal regulations.

Section 14: Transportation Information

Proper Shipping Name/Hazard Class may vary by packaging, properties and mode of transportation. This product is regulated in the U.S. as a hazardous commodity. Typical proper shipping names for the product are:

All Transportation Modes:	Petroleum Distillates, N.O.S.
Bulk Truck Shipments:	Flammable Liquid, N.O.S.
UN/ID NO:	UN 1268
Hazard Class – Primary:	3 Combustible Liquid (Non-bulk Truck Transport Only – all other modes Flammable Liquid, N.O.S. UN 1268)
Packing Group:	III
IMDG Page No.:	3375
Flash Point:	105F (40.6C)
Technical Name(s):	Petroleum Distillates
RQ Component(s):	10,000 LB. Xylene
U.S. Tariff Heading No.:	3811.90.00.00

Section 15: Regulatory Information

The following regulation apply to this product:

Federal Regulation:

OSHA HAZARD COMMUNICATION RULE, 29CFR1910.1200:

Based on our hazard evaluation, the following ingredients in this product are hazardous and the reasons are shown below:

Light aromatic naphtha = combustible, irritant
Xylene = flammable, irritant
Methyl alcohol = flammable, toxic

Xylene = 435 mg/m³, 8 Hr. TWA
Methyl Alcohol = 260 mg/m³, 8 Hr. TWA (OSHA & ACGIH)

CERCLA/SUPERFUND, 40CFR118, 302:
Notification of spills of this product is not required.
SARA/SUPERFUND Amendments and Reauthorization Act of 1986
(TITLE III) – Sections 302, 311, 312, and 313:

Section 302: Extremely Hazardous Substances (40 CFR 355):

This product does not contain ingredients in Appendix A and B as an Extremely Hazardous Substance:

Sections 311 and 312 – Material Safety Data Sheet Requirements (40 CFR 370):

Our hazard evaluation has found this product to be hazardous. The product should be reported under the following EPA hazard categories:

- Immediate (acute) Health Hazard
- Delayed (chronic) Health Hazard
- Fire Hazard
- Sudden Release of Pressure Hazard
- Reactive Hazard

Under SARA 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are: 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

Section 313 – List of Toxic Chemicals (40 CFR 372):

This product contains ingredients on the List of Toxic Chemicals: Xylene Reportable Quantity 10,000 lb.
Methanol

State Regulations:

California Proposition 65:

Substances known to the State of California to cause cancer are present in this product.

State Right to Know Laws:

Regulated in those states using the TLV for ferrocene as a criteria for listing.

International Regulations:

This is a WHMIS controlled product under the House of Commons of Canada Bill C-70 (Class D2B). The product contains the following substances, from the Ingredient Disclosure List or has been evaluated based on its toxicological Properties, to contain the following hazardous ingredients:

Ingredient(s)	CAS #	Approx. %
Light aromatic naphtha	64742-95-6	70 – 100
Xylene	1330-20-7	<10
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Section 16: Other Information

Empty drums must not be reused without cleaning. Residual vapor in empty drums may ignite/detonate if sparks or welding are in the vicinity and must be avoided.

Section 17: Risk Characterization

Due to our commitment to Product Stewardship, we have evaluated the human and environmental hazards and exposures of this product. Based upon our recommended use of this product, we have characterized the product's general risk. This information should provide assistance for your own risk management practices. We have evaluated our product risk as follows:

The human risk is: MODERATE

The environmental risk is: MODERATE

The health hazards given on the Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure to the diluted product under conditions of ordinary use.

Fuel Freedom International, LLC warrants that the product or products described herein will conform to its published specifications. The product supplied by FFI and information related to them, is intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the FFI materials for their own particular purpose. Since buyer's conditions of use of product are beyond FFI's control, ConSeal International, Inc. does not warrant any recommendations and information for the use of such products. FFI disclaims all other warranties including the implied warranty of merchantability and fitness for any particular purpose in connection with the use of its products.