

MATERIAL SAFETY DATA SHEET

Captain Phab

Marine Stove Fuel
Part # 306, 307

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	Marine Stove Fuel	PRODUCT USE:	Stove Fuel
MANUFACTURER:	Capt Phab	SUPPLIER:	Capt Phab
ADDRESS:	613 Neal Drive Peterborough, Ontario K9J 6X7	ADDRESS:	613 Neal Drive Peterborough, Ontario K9J 6X7
EMERGENCY #:	1 888 228-4050	EMERGENCY #:	1 888 228-4050

SECTION II: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	ACGIH-TLV	LD ₅₀	LC ₅₀
Ethyl Alcohol	64-17-5	85 - 92	1000 ppm	5620 MG/KG Rat oral	200,000 MG/M3 Rat inhalation
Methyl Alcohol	67-56-1	5 - 15	200 ppm (skin)	5600 MG/KG Rat oral	81,000 MG/M3/14H Rabbit inhalation

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry:	Eye contact, skin contact, skin absorption, inhalation and ingestion.
Eye Contact:	May cause irritation.
Skin Contact:	Irritant. May cause drying, defatting.
Skin Absorption:	No adverse effects are expected with normal use. May be absorbed through the skin.
Inhalation:	Irritant. Intoxication. May cause drowsiness. May cause anaesthesia effects. Headaches, dizziness.
Ingestion:	May cause dizziness. May cause headache and drowsiness. May cause signs of intoxication. May cause anaesthesia effects.
Chronic Effects:	May cause liver damage. May cause blindness. Prolonged or repeated overexposure may cause drying and cracking of the skin (dermatitis).
Carcinogenicity: Skin:	Not listed as a carcinogen.

SECTION IV: FIRST AID MEASURES

Eye Contact:	Flush eyes with clear, running water for 15 minutes while holding eyelids open. If irritation persists, consult a physician.
Skin Contact:	Remove contaminated clothing. Wash with mild soap and water. Consult a physician if irritation persists.
Inhalation:	Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.
Ingestion:	Obtain immediate medical attention. Give large quantities of water to drink. Do not induce

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vomiting, keep person warm, quiet. Guard against aspiration of liquids into lungs. If vomiting occurs, keep head below hips. Never give anything by mouth to an unconscious person.

SECTION V: FIRE FIGHTING MEASURES

Flammability:	Flammable.
Conditions of Flammability:	Heat, sparks, and open flames.
Flash Point deg (F, C, PMCC):	(Minimum). 12°C
Means of Extinction:	Water, chemical powder.
Special Fire Fighting Procedures:	Firefighters should wear adequate protective gear. Self contained breathing apparatus required. This product floats on water which creates a fire hazard.
Auto Ignition Temperature:	(minimum). 385°
Flame Propagation or Burning Rate of Solid:	
Sensitivity to Static Discharge:	Not sensitive.
Unusual Fire and Explosion Hazards:	Not available.
Hazardous Composition Products:	Carbon monoxide (CO), Smoke, Nitrogen oxides (NOx).

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Eliminate all sources of ignition. Dike area to prevent spreading. Ventilate area. Wear appropriate protective equipment. Ground handling equipment. Use non-sparking tools. Explosion proof motors are recommended. Soak up with inert absorbent. Pump to containers or soak up on inert absorbent. Place in a closed container for disposal.

SECTION VII: HANDLING AND STORAGE

Storage Requirements: Keep away from heat, sparks, and open flame. Avoid breathing vapours/mists. Use adequate ventilation. Wear personal protective equipment appropriate to task. Use proper grounding procedures. Avoid contact with skin, eyes and clothing. Do not cut, grind, weld or drill on or near containers. Launder contaminated clothing prior to reuse. Store away from all sources of ignition. Store away from incompatible materials. Store in a cool, dry and well ventilated area.

SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION

Skin Protection:	Rubber gloves.
Eye Protection:	Safety glasses.
Respiratory Protection:	None required under normal use. If TLV is exceeded NIOSH approved organic vapours.
Clothing/Type:	Long sleeve shirt, long trousers. Apron.
Footwear/Type:	Rubber boots.
Other Protective Equipment:	Eye wash facility should be in close proximity. Emergency shower should be in close proximity.
Engineering Controls:	As needed to stay below TLV.

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SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C):	74 - 79	Specific Gravity (density) @ 20°C:	(density) 0.791 (20/20°C)	Evaporation Rate (butyl acetate = 1):	Not available
% Volatile (Wt%):	Not available	Solubility in water:	Complete	pH (as supplied):	Not available
Physical State:	Liquid	VOC	Not available	Freezing point (°C):	-114°C
Coefficient of water/oil dist.:	Not available				
Vapour pressure (mmHg):	@ 20°C (68°F). 12 kPa		Vapour density: (air=1) 1.4		
Appearance / Odour:	Clear. Transparent. Alcoholic odour.		Odour Threshold: 5-10 ppm (ppm)		

SECTION X: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to Avoid: None known.
Incompatible Materials: Combustibles
Hazardous Decomposition Products: See hazardous combustion products.
Hazardous Polymerization: Will not occur.

SECTION XI: TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 3650 mg/kg rat oral.
19,500 mg/kg dermal.
LC50 of product, species & route: 21,500 ppm.

SECTION XII: ECOLOGICAL INFORMATION

Biodegradability: Readily biodegradable.

SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of in accordance to all local, provincial/state and federal regulations

SECTION XIV: TRANSPORTATION

T.D.G. Classification: Alcohols, Flammable, Toxic, N.O.S.
(methanol)
UN 1986
Class 3(6.1)
PG II.

SECTION XV: REGULATORY INFORMATION

Occupational Health and Safety Regulations:

WHMIS Classification:

B2m D1B, D2A.

Environmental Regulatory Lists:

The substance(s) listed in section 2 appear on the Domestic Substances List.

DSL status:

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SECTION XVI: OTHER INFORMATION

Date:	November 1, 2007	Prepared By:	Technical Services Group	Telephone:	1 888 228-4050
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Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS.

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