

MATERIAL SAFETY DATA SHEET

Captain Phab Ltd.

Marine Strip-It
Part # 590, 592, 595

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Marine Strip-It **PRODUCT USE:** Fiberglass Paint Stripper.
MANUFACTURER: Captain Phab Ltd. **SUPPLIER:** Captain Phab Ltd.
ADDRESS: 613 Neal Drive **ADDRESS:** 613 Neal Drive
Peterborough, Peterborough,
Ontario, Ontario,
K9J 6X7 K9K 6X7
EMERGENCY: 1 888 228 4050 **EMERGENCY :** 1 888 228 4050

SECTION II: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-TWA	ACGIH-TWA	LD ₅₀
Methylene Chloride	75-09-2	10-30 %	50 mg/m3	25 mg/m3	Not available
Acetone	67-64-1	100	1000 ppm	500 ppm	3,000 mg/kg oral/rat
Methanol	67-56-1	60-100%	200 ppm	200 ppm	5,628 mg/kg
Toluene	108-88-3	10-30	400 mg/m3	400 mg/m3	2,300 mg/kg

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry: Eye, skin contact, ingestion.
Potential Health Effects:
Eye Contact: May cause pain disproportionate to the level of irritation to the eye tissue. May possibly cause severe eye burns.
Skin Contact: Brief contact may cause skin irritation with local redness and pain. Repeated and prolonged contact may cause burns. May cause drying and flaking of skin.
Inhalation: In confined or poorly ventilated conditions vapour can readily accumulate and cause unconsciousness and death in severe cases. Dizziness may occur at 200 ppm and progressive higher levels nausea, drunkenness and over 1000 ppm unconsciousness and death. A single brief (minutes) inhalation exposure to levels above 6000 ppm per methylene chloride may be fatal immediately. Alcohol consumed before or after exposure may increase adverse effects.
Ingestion: Swallowing larger amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting, resulting in rapid absorption and injury to other body systems.
Chronic Effects

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Carcinogenicity: Lab studies have shown the incidence of tumors in certain strains of mice and rats. Other long term inhalation studies in rats failed to show tumorigenic response. Human data are limited and have not established an association between methylene chloride exposure and cancer. .

Teratogenicity, Mutagenicity, Reproductive Effects: The ingredients in this product were found to be mutagenic. In laboratory studies effects on reproduction have been seen only at levels that would be toxic to the mother.

Skin: Repeated or prolonged exposures to dilutions can cause drying, defatting and dermatitis.

Note to Physicians: Methanol is metabolized to formic acid and formaldehyde. These metabolites can cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used to prevent methanol metabolism. Ethanol administration is indicated in symptomatic patients or at blood methanol concentrations above 20 µg/dl. Methanol is effectively removed by hemodialysis. Fomepizole (4-methylpyrazole) is an effective antagonist of alcohol dehydrogenase, and may be used as an antidote in the treatment of methanol poisoning.

SECTION IV: FIRST AID MEASURES

Eye Contact: Immediately flush with water for 15 minutes. Holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.

Skin Contact: Flush with water. Remove contaminated clothing and launder before reuse.

Inhalation: Move victim to fresh air. If conscious, have victim take deep, slow breaths. Seek medical attention if symptoms persist.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth with water, then drink one glass of water. Seek medical attention. Do not give anything to victim if unconscious or convulsing.

Note to physician: because of rapid absorption may occur through the lungs if aspirated and cause systemic effects. If lavage is performed, suggest endotracheal and/or esophageal control.

SECTION V: FIRE FIGHTING MEASURES

Flammability: Extremely flammable to flammable in presence of open flames, sparks, shocks, heat. Vapours can travel along surfaces to distant ignition points and flash back.
Keep container tightly closed.

Flash Point deg (C, TCC): Closed cup. -20 C Lowest flash point.

Flammable limits: LOWER: 2.6%.
UPPER: 12.8%.

Means of Extinction: SMALL FIRE: Use DRY chemicals, CO2, water spray or foam.
LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.

Special Fire Hazards: The product is combustible.

Auto Ignition Temperature: Not available.

Flame Propagation or Burning Rate of Solid: Not applicable.

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Sensitivity to Static Discharge: Not sensitive.

Unusual Fire and Explosion Hazards: No specific information is available in our data base regarding the product's risks of explosion in the presence of various materials. Strong oxidizers may cause fire.

Hazardous Decomposition Products: Carbon monoxide, smoke, nitrogen oxides.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Before attempting clean up, refer to the hazard data provided above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled container. For large quantities, dispose of in accordance with local, provincial/ state or federal regulations. For large spills prevent from entering sewers and waterways. For large spills provide diking to prevent spreading. Dispose of by licensed waste disposal company. Material will sink in water.

SECTION VII: HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Store in a dry, cool and well ventilated area.

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Use Viton or Nitrile gloves.

Eye Protection: Chemical splash goggles are recommended.

Respiratory Protection: Not normally required if good ventilation is maintained and below the exposure guidelines. In confined or poorly ventilated areas use an approved self contained breathing apparatus.

Other Protective Equipment: As required by employer code. Eye bath, safety shower, protective clothing.

Engineering Controls: General ventilation normally required to maintain airborne levels below the exposure guidelines. Lethal concentrations may exist in areas with poor ventilation.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C)	N.Av.	Specific Gravity (H₂O = 1):	Not av	Evaporation Rate (water=1):	Not established.
% Volatile (Wt%):	97 %	Solubility in water:	insoluble	pH (as supplied):	Not applicable
Physical State:	Liquid	Viscosity:	Like water		
Appearance / Odour:	Clear Viscous liquid with strong solvent odour				

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SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable under normal conditions. Excessive heat or contamination could cause decomposition.

Incompatible Materials: Reducing agents, strong acids, strong caustics, iron and other metals.

Hazardous Decomposition Products: Oxides of carbon, Oxides of Nitrogen when heated.

SECTION XI: TOXICOLOGICAL INFORMATION

LD 50 values for individual components see section II.

SECTION XII: ECOLOGICAL INFORMATION

Not available.

SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of in accordance to all local, provincial/state and federal regulations.
DO NOT dump into sewers, on the ground or any body of water.

SECTION XIV: TRANSPORTATION

T.D.G. Classification: 1 Liter or less can be shipped Limited Quantity.
Over 1 Liter.
Class 3 Flammable (6.1 Toxic) n.o.s. (acetone, toluene, methanol, dichloromethane).
UN 1992, PG II.

SECTION XV: REGULATORY INFORMATION

Occupational Health and Safety

Regulations:

WHMIS Class:

OSHA & WHMIS:

Class D1B Poisonous substance, B2 flammable liquid.
MSDS prepared pursuant to the Hazard Communication Standard (CFR29.1920.1200) and Canadian WHMIS regulations.

Environmental Regulatory Lists:

Toxic Substances Control Act

(TSCA):

Canadian Domestic Substance List

(DSL):

All ingredients are registered on the Chemical Substances Inventory.

All ingredients are registered on the DSL.

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SECTION XVI: OTHER INFORMATION

Date:	18 June 2014	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. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST on Montreal, Quebec (514-873-3990).