

Material Safety Data Sheet

Product Name: Vinegar Code: 0700

WHMIS	Protective Clothing	TDG Road / Rail
		

SECTION I – PRODUCT IDENTIFICATION AND PREPERATION INFORMATION

Product Name: Vinegar **Effective Date:** Sep. 7, 06 **Code:** 0700
Product Use: Cleaner, neutralizer
WHMIS: WHMIS Class D-2B: Material causing other toxic effects (TOXIC).
TDG: Not regulated under TDG (Canada).
Not applicable (PIN and PG).
Supplier: **Formula Canada**
3069 Dundas Street West
Toronto, Ontario M6P 1Z5
(416) 743-6660

EMERGENCY PHONE: CANUTEC (613) 996-6666

SECTION II – HAZARDOUS INGREDIENTS

Ingredients	CAS #	Wt%	ACGIH-TLV	LC₅₀/LD₅₀
Acetic Acid	000064197	9-11	n.a.v.	ORAL (LD ₅₀): Acute: 3310 mg/kg (rat).

SECTION III – PHYSICAL DATA

Boiling Point:	As water - 100°C	Specific Gravity:	Weighted average: 1.05 (Water = 1.00)
Vapour Pressure:	As water.	Vapour Density:	As water.
Solubility in Water:	Soluble	Percent Volatile:	Not available.
Physical State:	Liquid	Evaporation Rate:	Not available.
Appearance and Odour:	Clear, Vinegar odour.	pH (as supplied):	2.0 – 3.0

SECTION IV – FIRE AND EXPLOSION DATA

Flammability:	Non-flammable.
Flash Points:	Not applicable.
Flammable Limits:	Not applicable.
Hazardous Combustion Products:	These products are carbon oxides (CO, CO ₂). Some metallic oxides.
Means of Extinction:	SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam. LARGE FIRE: Use water spray, fog, or foam. DO NOT use water jet.
Special Fire Hazards:	Not available.

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SECTION V – REACTIVITY DATA

Stability:	The product is stable
Incompatibility:	Highly reactive with reducing agents. Reactive with oxidizing agents. Avoid contact with excessive amount of heat.
Hazardous Decomposition Products:	Not available.

SECTION VI – TOXICOLOGICAL PROPERTIES

Routes of Entry:	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Acute Effects on Humans:	Hazardous in case of ingestion. Hazardous in case of skin contact (irritant, sensitizer, permeator), of eye contact (irritant), of inhalation.
Chronic Effects on Humans:	Hazardous in case of skin contact (irritant), of eye contact (irritant). CARCINOGENIC: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: PROVEN. (Isopropyl alcohol). Repeated or prolonged exposure to the substance can produce target organs damage.
Synergistic Materials:	Not available.

SECTION VII – PREVENTATIVE MEASURES

Gloves:	Gloves.
Eye Protection:	Splash goggles.
Respiratory Protection:	Not normally required if good ventilation is maintained and exposure guidelines are not exceeded. Wear appropriate respirator when ventilation is inadequate.
Other Protective Equipment:	Not normally required when used as directed.
Engineering Controls:	General ventilation normally adequate.
Leak and Spill Procedure:	Dilute with water and mop up, or absorb with an inert material and put the spilled material in an appropriate waste disposal. Absorb with dry earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
Waste Disposal:	Consult municipal, provincial, and federal laws.
Storage Requirements:	Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Keep out of reach of children.

SECTION VIII – FIRST AID

Eye:	Check for and remove any contact lenses. IMMEDIATELY flush with plenty of water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.
Skin:	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation develops, get medical attention. Wash contaminated clothing before reusing.
Inhalation:	Remove to fresh air. Call a doctor if irritation develops.
Ingestion:	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

SECTION IX – PREPERATION / OTHER INFORMATION

References:	Not available.
Additional Remarks:	No additional remark.
Validated by Formula Canada on September 7, 2006	

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