

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **550-1057 AQUAVAC PRIMER AM**

Supplier - Manufacturer **Chemcraft International Inc.,**

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### For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code 550-1057

Synonym AQUAVAC PRIMER AM

Chemical Name Not applicable.

Chemical Family Synthetic polymer in water and organic solvent.  
(Paint.)

Chemical Formula Not applicable.

Material Uses Coatings: Surface coatings and finishes.

Product Identification Number (PIN) Not regulated.

## Section 2. Hazardous Ingredients

### Exposure Limits

Name	CAS #	% by Weight	LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
Ethylene glycol monobutyl ether	111-76-2	1-5	ORAL (LD50): Acute: 470 mg/kg [Rat]. 2436 mg/kg [Rat]. DERMAL (LD50): Acute: 220 mg/kg [Rabbit]. 631 mg/kg [Rabbit].	<b>OSHA (Canada).</b> TWA: 25 ppm <b>ACGIH (Canada).</b> TWA: 25 ppm
Silica quartz	14808-60-7	0.1-0.5	Not available.	<b>ACGIH (Canada). Notes:</b> <b>Respirable</b> TWA: 0.1 mg/m <sup>3</sup>

Trace impurities and additional material names not listed above may appear in other sections of this MSDS. These materials may be listed for toxicological concerns, local compliance, or other reasons.

## Section 3. Physical Data

Physical State and Appearance Liquid.

Color Not available. Odor Not available. Taste Not available.

Molecular Weight Not applicable.

pH (1% soln/water) Neutral.

Boiling Point The lowest known value is 100°C (212°F) (Water). Weighted average: 104.72°C (220.5°F)

Melting Point May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -4.67°C (23.6°F)

Critical Temperature Not available.

Specific Gravity 1.64 (Water = 1)

Vapor Pressure The highest known value is 2.3 kPa (17.2 mmHg) (at 20°C) (Water). Weighted average: 2.15 kPa (16.13 mmHg) (at 20°C)

Vapor Density The highest known value is 4.1 (Air = 1) (Ethanol, 2-butoxy-). Weighted average: 1.21 (Air = 1)

**Continued on Next Page**

<b>Volatility</b>	Not available.
<b>Odor Threshold</b>	Not available.
<b>Water/Oil Dist. Coeff.</b>	Not available.
<b>Ionicity (in Water)</b>	Not available.
<b>Dispersion Properties</b>	Is not dispersed in cold water, hot water, methanol. See solubility in methanol, acetone.
<b>Solubility</b>	Easily soluble in methanol, acetone. Very slightly soluble in diethyl ether. Insoluble in cold water, hot water.

#### **Section 4. Fire and Explosion Hazard**

<b>The Product is:</b>	Non-flammable.
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable.
<b>Fire Fighting Media and Instructions</b>	Not applicable.
<b>Special Remarks on Fire Hazards</b>	Non-flammable aqueous emulsion. Material may burn after evaporation of liquids.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Auto-Ignition Temperature</b>	Not applicable.
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ). Some metallic oxides.
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
<b>Special Remarks on Explosion Hazards</b>	Not available.

#### **Section 5. Reactivity Data**

<b>Stability</b>	The product is stable.
<b>Decomposition products</b>	Not available.
<b>Conditions of Instability</b>	Not available.
<b>Incompatibility with various substances</b>	Not available.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	Incompatible with hydrogen fluoride. (Silica)
<b>Special Remarks on Corrosivity</b>	Not available.

#### **Section 6. Toxicological Properties**

<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 470 mg/kg [Rat]. (Ethanol, 2-butoxy-). Acute dermal toxicity (LD50): 220 mg/kg [Rabbit]. (Ethanol, 2-butoxy-). Acute toxicity of the gas (LC50): 450 ppm 4 hour(s) [Rat]. (Ethanol, 2-butoxy-). Acute toxicity of the dust (LC50): >6820 mg/m <sup>3</sup> 4 hour(s) [Rat]. (Titanium dioxide (TiO <sub>2</sub> )).
<b>Effects of Acute Exposure</b>	Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. Severe over-exposure can result in death.

<b>Chronic Effects on Humans</b>	<p><b>CARCINOGENIC EFFECTS:</b> Classified 4 (Probably not for human.) by IARC, None. by OSHA [Titanium dioxide (TiO<sub>2</sub>)]. Classified 2A (Probable for human.) by IARC [Quartz (SiO<sub>2</sub>)]. Classified None. by OSHA [Quartz (SiO<sub>2</sub>)].</p> <p><b>MUTAGENIC EFFECTS:</b> Not available.</p> <p><b>TERATOGENIC EFFECTS:</b> Not available.</p> <p><b>DEVELOPMENTAL TOXICITY:</b> Not available.</p> <p>The substance is toxic to blood, kidneys, lungs, liver, bone marrow, eye, lens or cornea. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.</p>
<b>Special Remarks on Toxicity to Animals</b>	Formaldehyde has caused cancer in test animals at high concentrations (5-15 ppm). (Formaldehyde)
<b>Special Remarks on Chronic Effects on Humans</b>	Crystalline silica is listed by IARC as 2A - Probably carcinogenic in humans. Long term over exposure to silica causes silicosis, a form of pulmonary fibrosis. Continued exposure to silica can lead to cardiopulmonary impairment. (Quartz (SiO <sub>2</sub> ))
<b>Special Remarks on Other Toxic Effects on Humans</b>	Exposure can cause nausea, headache and vomiting. (Ethanol, 2-butoxy-)
<b>Exposure Limits</b>	Not available.

## Section 7. Preventive Measures

<b>Personal Protection</b>	Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Chemical resistant gloves, such as Norfoil should be used when handling this product. Please consult a Glove Manufacturer for alternate choices.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Vapor respirator. Boots. Chemical resistant gloves, such as Norfoil should be used when handling this product. Please consult a Glove Manufacturer for alternate choices. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Small Spill</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Large Spill</b>	Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.
<b>Waste Disposal</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Precautions</b>	Keep locked up. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.
<b>TDG Classification</b>	-
<b>PIN</b>	Not regulated. <b>PG:</b>
<b>Special Provisions for Transport</b>	
<b>Federal and State Regulations</b>	<p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Formaldehyde; Quartz (SiO<sub>2</sub>)</p> <p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Quartz (SiO<sub>2</sub>)</p> <p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Quartz (SiO<sub>2</sub>)</p> <p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Formaldehyde</p> <p>Rhode Island RTK hazardous substances: Ammonia anhydrous</p> <p>Pennsylvania RTK: Isopropyl alcohol; Ammonium hydroxide ((NH<sub>4</sub>)(OH))</p> <p>Florida: Ammonia anhydrous</p> <p>Minnesota: Ammonia anhydrous</p> <p>Massachusetts RTK: Isopropyl alcohol; Ammonium hydroxide ((NH<sub>4</sub>)(OH))</p> <p>New Jersey: Isopropyl alcohol; Ammonia anhydrous</p> <p>New Jersey spill list: Ammonia anhydrous</p> <p>TSCA 8(b) inventory: Ethylene glycol monobutyl ether; Formaldehyde; Silica; Aluminum oxide (Al<sub>2</sub>O<sub>3</sub>);</p>

Continued on Next Page

5-Decyne-4,7-diol, 2,4,7,9-tetramethyl-; Isopropyl alcohol; Ammonia anhydrous  
 SARA 302/304/311/312 extremely hazardous substances: Formaldehyde; Isopropyl alcohol; Ammonia anhydrous  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Ethylene glycol monobutyl ether: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Quartz (SiO<sub>2</sub>): Delayed (Chronic) Health Hazard; Ammonium hydroxide ((NH<sub>4</sub>)(OH))  
 SARA 313 toxic chemical notification and release reporting: Ethylene glycol monobutyl ether 2.178%  
 CERCLA: Hazardous substances.: Ammonia anhydrous;  
 OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Regulations****Other Classifications**

**WHMIS (Canada)**      **Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).**  
**Class D-2A: Material causing other toxic effects (VERY TOXIC).**

**HCS (U.S.A.)**      Class: Contains material which may cause cancer.  
 Class: Highly toxic.  
 Class: Target organ effects.

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 2
	<b>Fire Hazard</b>	0
	<b>Reactivity</b>	0
	<b>Personal Protection</b>	G
<b>National Fire Protection Association (U.S.A.)</b>	<b>Health</b>	2
	<b>Fire Hazard</b>	0
	<b>Reactivity</b>	0
	<b>Specific Hazard</b>	

**Section 8. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
<b>Hazardous Skin Contact</b>	Not available.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Hazardous Inhalation</b>	Not available.
<b>Ingestion</b>	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. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
<b>Hazardous Ingestion</b>	Not available.

**Section 9. Preparation Information**

<b>References</b>	-Manufacturers Material Safety Data Sheets.
<b>Other Special Considerations</b>	Not available.
<b>Related Information</b>	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.
<b>Preparation Information</b>	<b>Validated by C.M. Kelly on 6/4/2004.</b> <b>Verified by C.M. Kelly.</b> <b>Printed 9/22/2004.</b>

Continued on Next Page

**Information Contact**

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**Notice to Reader**

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