

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **840-059 AQUAWIPE NEUTRAL**

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

155 Rose Glen Road North  
P.O. Box 458  
Port Hope, ON.  
Canada L1A 3Z3

Telephone (905) 885-6388 Fax (905) 885-5097

In case of Emergency (905) 885-6388, (800) 263-7951

### For Transport Emergency or After Hours

CANUTEC (613) 996-6666

**Code** 840-059  
**Synonym** AQUAWIPE NEUTRAL  
**Chemical Name** Not applicable.  
**Chemical Family** Synthetic polymer in organic solvent. (Polymer.)  
**Chemical Formula** Not applicable.  
**Material Uses** Coatings: Surface coatings and finishes.  
**Product Identification Number (PIN)** NOT REGULATED

## Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	<u>Exposure Limits</u>	
			LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
Isopropanol	67-63-0	10-30	ORAL (LD50): Acute: 5045 mg/kg [Rat]. 4797 mg/kg [Dog]. 3600 mg/kg [Mouse]. DERMAL (LD50): Acute: 12800 mg/kg [Rabbit].	TWA: 400 STEL: 500 (ppb) from ACGIH (TLV) [United States] [1994] TWA: 983 STEL: 1230 (ppm) from ACGIH (TLV) [United States] [1994]

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 82.5°C (180.5°F) (2-Propanol). Weighted average: 96.54°C (205.8°F)

**Melting Point** May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -17.3°C (0.9°F)

**Critical Temperature** Not available.

**Specific Gravity** Weighted average: 0.97 (Water = 1)

**Vapor Pressure** The highest known value is 4.4 kPa (@ 20°C) (2-Propanol). Weighted average: 2.72 kPa (@ 20°C)

**Vapor Density** The highest known value is 2.1 (Air = 1) (2-Propanol). Weighted average: 1.22 (Air = 1)

**Volatility** Not available.

Continued on Next Page

<b>Odor Threshold</b>	The highest known value is 22 ppm (2-Propanol)
<b>Water/Oil Dist. Coeff.</b>	The product is more soluble in oil.
<b>Ionicity (in Water)</b>	Not available.
<b>Dispersion Properties</b>	Is not dispersed in cold water, hot water, methanol, diethyl ether, n-octanol. See solubility in methanol, diethyl ether.
<b>Solubility</b>	Easily soluble in methanol. Soluble in diethyl ether. Very slightly soluble in n-octanol. Insoluble in cold water, hot water, acetone.

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

<b>The Product is:</b>	May be combustible at high temperature.
<b>Fire Hazards in Presence of Various Substances</b>	Flammable in presence of open flames and sparks. Non-flammable in presence of shocks, of oxidizing materials, of organic materials, of metals, of acids, of alkalis.  Because of the large amount of water contained in the product, the product might be combustible only after partial or complete evaporation.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
<b>Special Remarks on Fire Hazards</b>	Non-flammable aqueous emulsion. Material may burn after evaporation of liquids.
<b>Flash Points</b>	CLOSED CUP: Higher than 93.3°C (200°F).
<b>Flammable Limits</b>	The greatest known range is LOWER: 2% UPPER: 12% (2-Propanol)
<b>Auto-Ignition Temperature</b>	The lowest known value is 432°C (809.6°F) (2-Propanol).
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Explosion Hazards in Presence of Various Substances</b>	Explosive in presence of open flames and sparks. Non-explosive in presence of shocks, of reducing materials, of combustible materials, of organic materials, of metals, of acids, of alkalis.
<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>	Slightly reactive to reactive with oxidizing agents, reducing agents, organic materials, acids. Non-reactive with combustible materials.
<b>Corrosivity</b>	Non-corrosive in presence of glass, of stainless steel(304), of stainless steel(316).
<b>Special Remarks on Reactivity</b>	Incompatible with chlorinated compounds. (2-Propanol)
<b>Special Remarks on Corrosivity</b>	Not available.

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

<b>Routes of Entry</b>	Eye contact.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 3600 mg/kg [Mouse]. (2-Propanol). Acute dermal toxicity (LD50): 12800 mg/kg [Rabbit]. (2-Propanol).
<b>Effects of Acute Exposure</b>	Very hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (corrosive, irritant, permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching.

<b>Chronic Effects on Humans</b>	<p><b>CARCINOGENIC EFFECTS:</b> Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [2-Propanol]. Classified 4 (Probably not for human.) by IARC [Ethanamine, N,N-diethyl-]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [2-Propanone].</p> <p><b>MUTAGENIC EFFECTS:</b> Not available.</p> <p><b>TERATOGENIC EFFECTS:</b> Classified None. for human [2-Propanone].</p> <p><b>DEVELOPMENTAL TOXICITY:</b> Not available.</p> <p>The substance is toxic to blood, kidneys, lungs, the nervous system, liver.</p> <p>Repeated or prolonged exposure to the substance can produce target organs damage.</p>
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	Detected in maternal milk in humans. (2-Propanol)
<b>Special Remarks on Other Toxic Effects on Humans</b>	Exposure can cause nausea, headache and vomiting. (2-Propanol)
<b>Exposure Limits</b>	<p><b>2-Propanol</b> TWA: 400 STEL: 500 (ppb) from ACGIH (TLV) [United States] [1994] TWA: 983 STEL: 1230 (ppm) from ACGIH (TLV) [United States] [1994]</p> <p><b>Ethanamine, N,N-diethyl-</b> TWA: 10 STEL: 15 (ppb)</p> <p><b>Ethanol, 2-(dimethylamino)-</b> TWA: 5 STEL: 25 (ppb)</p> <p><b>2-Propanone</b> TWA: 500 STEL: 750 (ppb) from ACGIH (TLV) [United States] [1997] TWA: 1188 STEL: 1782 (ppm) from ACGIH (TLV) [United States] [1997]</p> <p>Consult local authorities for acceptable exposure limits.</p>

## Section 7. Preventive Measures

<b>Personal Protection</b>	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Neoprene gloves.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Vapor respirator. Boots. Neoprene gloves. 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 threshold limit value. 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>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
<b>Waste Disposal</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Precautions</b>	Keep container dry. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Never add water to this product. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.
<b>TDG Classification</b>	Not controlled under TDG (Canada).
<b>PIN</b>	NOT REGULATED <b>PG:</b> Not applicable.
<b>Special Provisions for Transport</b>	Not applicable.
<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: 2-Propenoic acid, ethyl ester</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: 2-Propenoic acid, ethyl ester</p> <p>Rhode Island RTK hazardous substances: Ammonia, anhydrous</p> <p>Pennsylvania RTK: Ammonia, anhydrous; (environmental hazard); Isopropyl alcohol</p> <p>Florida: Ammonia, anhydrous</p> <p>Minnesota: Ammonia, anhydrous</p>

Continued on Next Page

Massachusetts RTK: Ammonia, anhydrous; Isopropyl alcohol  
 New Jersey: Ammonia, anhydrous; Isopropyl alcohol  
 New Jersey spill list: Ammonia, anhydrous  
 TSCA 8(b) inventory: Ammonia, anhydrous; Isopropyl alcohol  
 SARA 302/304/311/312 extremely hazardous substances: Ammonia, anhydrous; Isopropyl alcohol  
 SARA 313 toxic chemical notification and release reporting: Isopropyl alcohol 16.797%; 2-Propanone 0.31227%  
 CERCLA: Hazardous substances.: Ammonia, anhydrous; 2-Propanone;  
 OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

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

**WHMIS (Canada)**      **CLASS D-2A: Material causing other toxic effects (VERY TOXIC).**  
**CLASS D-2B: Material causing other toxic effects (TOXIC).**

**HCS (U.S.A.)**      Class: Irritating substance.  
 Class: Target organ effects.

**Hazardous Material Information System (U.S.A.)**

**Health Hazard**      \* 2  
**Fire Hazard**      1  
**Reactivity**      0  
**Personal Protection**      h

**National Fire Protection Association (U.S.A.)**

**Health**      2  
**Fire Hazard**      1  
**Reactivity**      0  
**Specific Hazard**

**Section 8. First Aid Measures**

**Eye Contact**      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 immediately.

**Skin Contact**      Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Hazardous Skin Contact**      Not available.

**Inhalation**      If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

**Hazardous Inhalation**      Not available.

**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. 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.

**Hazardous Ingestion**      Not available.

**Section 9. Preparation Information**

**References**      -Manufacturers Material Safety Data Sheets.

**Other Special Considerations**      Not available.

**Related Information**      This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

**Preparation Information**      **Validated by G. Dicke on 4/16/2000.**  
**Verified by G. Dicke.**  
**Printed 2/21/2005.**

**Information Contact**

Prepared by the Health, Safety and Environment Department,  
Chemcraft International Inc., P.O. Box 458, 155, Rose Glen Road North, Port Hope, ON. Canada.  
Phone: 905 885-6388  
Fax: 905 885-5097

**Notice to Reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*