Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **824-2008 AQUAWIPE CONCENTRATE YELLOW**

Supplier - Manufacturer Chemcraft International Inc.,

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Canada L1A 3Z3

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CANUTEC (613) 996-6666

Code	824-2008
Synonym	AQUAWIPE CONCENTRATE YELLOW
Chemical Name	Not applicable.
Chemical Family	Synthetic polymer in water. (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_{50}/LD_{50}**	**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]
Propylene glycol monoethyl ether	1569-02-4	5-10	Not available.	Not available.

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: 96.6°C (205.9°F)				
Melting Point	May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -16.99°C (1.4°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: 2.71 kPa (@ 20°C)				
Vapor Density	The highest known value is 2.1 (Air = 1) (2-Propanol, 1-ethoxy-). Weighted average: 1.23 (Air = 1)				
Volatility	Not available.				

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

The Product is:	Non-flammable.
Fire Hazards in Presence of Various Substances	Not applicable.
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	Not available.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Auto-Ignition Temperature	Not applicable.
Products of Combustion	Not applicable.
Explosion Hazards in Presence of Various Substances	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.
Special Remarks on Explosion Hazards	Not available.

Section 5. Reactivity Data

Stability	The product is stable.
Decomposition products	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents, reducing agents, organic materials, acids. Non-reactive with combustible materials.
Corrosivity	Non-corrosive in presence of glass, of stainless steel(304), of stainless steel(316).
Special Remarks on Reactivity	Incompatible with chlorinated compounds. (2-Propanol)
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Eye contact.
Toxicity to Animals	Acute oral toxicity (LD50): 3600 mg/kg [Mouse]. (2-Propanol). Acute dermal toxicity (LD50): 12800 mg/kg [Rabbit]. (2-Propanol).
Effects of Acute Exposure	Very hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (corrosive, permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching.
Chronic Effects on Humans	**CARCINOGENIC EFFECTS**: 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]. **MUTAGENIC EFFECTS**: Not available. **TERATOGENIC EFFECTS**: Classified None. for human [2-Propanone]. **DEVELOPMENTAL TOXICITY**: Not available. The substance is toxic to blood, kidneys, lungs, the nervous system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

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Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Detected in maternal milk in humans. (2-Propanol)
Special Remarks on Other Toxic Effects on Humans	Exposure can cause nausea, headache and vomiting. (2-Propanol)
Exposure Limits	**2-Propanol** TWA: 400 STEL: 500 (ppb) from ACGIH (TLV) [United States] [1994] TWA: 983 STEL: 1230 (ppm) from ACGIH (TLV) [United States] [1994] **Ethanamine, N,N-diethyl-** TWA: 10 STEL: 15 (ppb) **Ethanol, 2-(dimethylamino)-** TWA: 5 STEL: 25 (ppb) **2-Propanone** TWA: 500 STEL: 750 (ppb) from ACGIH (TLV) [United States] [1997] TWA: 1188 STEL: 1782 (ppm) from ACGIH (TLV) [United States] [1997] Consult local authorities for acceptable exposure limits.

Section 7. Preventive Measures

Personal Protection	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. 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.
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. 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	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Precautions	Keep container dry. Do not ingest. Do not breathe gas/fumes/vapor/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.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
TDG Classification	Not controlled under TDG (Canada).
PIN	NOT REGULATED **PG:** Not applicable.
Special Provisions for Transport	Not applicable.
Federal and State Regulations	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 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 Rhode Island RTK hazardous substances: Ammonia, anhydrous Pennsylvania RTK: Ammonia, anhydrous: (environmental hazard); Isopropyl alcohol Florida: Ammonia, anhydrous Minnesota: Ammonia, anhydrous 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 15.118%; 2-Propanone 0.28105% CERCLA: Hazardous substances.: Ammonia, anhydrous; 2-Propanone;
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

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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	0
	Reactivity	0
	Personal Protection	h
National Fire Protection Association (U.S.A.)	**Health**	2
	Fire Hazard	0
	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. 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 A McLeod on 5/9/2001.**

Verified by A McLeod.

Printed 9/18/2002.

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