

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **824-2007 AQUAWIPE CONCENTRATE BORDEAUX**

Supplier - Manufacturer **Chemcraft International Inc.,**
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Code 824-2007

Synonym AQUAWIPE CONCENTRATE BORDEAUX

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 ₅₀ /LD ₅₀	TLV/PEL
Isopropanol	67-63-0	15 - 30	ORAL (LD50): Acute: 5045 mg/kg [Rat]. 4797 mg/kg [Dog]. 3600 mg/kg [Mouse]. DERMAL (LD50): Acute: 12800 mg/kg [Rabbit].	ACGIH (Canada, 1994). TWA: 400 ppm STEL: 500 ppm TWA: 983 mg/m ³ STEL: 1230 mg/m ³
1-Propanol-2-ethoxy	52125-53-8	5 - 15	Not available.	Not available.
2H-Azepin-2-one, hexahydro-	105-60-2	1 - 5	Not available.	OSHA (Canada). TWA: 5 ppm STEL: 10 ppm ACGIH (Canada). TWA: 20 mg/m ³ STEL: 40 mg/m ³

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: 96.81°C (206.3°F)

Melting Point May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -17.19°C (1.1°F)

Critical Temperature Not available.

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Specific Gravity	Weighted average: 0.97 (Water = 1)
Vapor Pressure	The highest known value is 4.4 kPa (33 mm Hg) (at 20°C) (2-Propanol). Weighted average: 2.71 kPa (20.33 mm Hg) (at 20°C)
Vapor Density	The highest known value is 2.1 (Air = 1) (2-Propanol). Weighted average: 1.22 (Air = 1)
Volatility	Not available.
Odor Threshold	The lowest known value is 22 ppm (2-Propanol)
Water/Oil Dist. Coeff.	The product is much more soluble in water.
Ionicity (in Water)	Not available.
Dispersion Properties	See solubility in water, methanol, diethyl ether.
Solubility	Easily soluble in cold water, hot water, methanol. Soluble in diethyl ether. Very slightly soluble in n-octanol.

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	Non-flammable aqueous emulsion. Material may burn after evaporation of liquids.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Auto-Ignition Temperature	Not applicable.
Products of Combustion	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...).
Explosion Hazards in Presence of Various Substances	Explosive in presence of open flames, sparks and static discharge.
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, acids.
Corrosivity	Not available.
Special Remarks on Reactivity	Incompatible with chlorinated compounds. (2-Propanol)
Special Remarks on Corrosivity	CORROSIVE. (Ammonia anhydrous)

Section 6. Toxicological Properties

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 3600 mg/kg [Mouse]. (2-Propanol). Acute dermal toxicity (LD50): 12800 mg/kg [Rabbit]. (2-Propanol). Acute toxicity of the vapor (LC50): 16000 ppm 4 hour(s) [Rat.]. (2-Propanol).

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Effects of Acute Exposure	Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (corrosive, permeator). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.
Chronic Effects on Humans	<p>CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [2-Propanol]. Classified 4 (Probably not for human.) by IARC [2H-Azepin-2-one, hexahydro-]. Classified 4 (Probably not for human.) by IARC [Ethanamine, N,N-diethyl-]. Classified A4 (Not classifiable for human or animal.) by ACGIH [Ethanamine, N,N-diethyl-]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [2-Propanone]. Classified D (Not classifiable for human or animal.) by EPA [2-Propanone].</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Classified None. for human [2-Propanone].</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>The substance is toxic to the nervous system.</p> <p>Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.</p>
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Detected in maternal milk in human. (2-Propanol)
Special Remarks on Other Toxic Effects on Humans	Exposure can cause nausea, headache and vomiting. (2-Propanol)
Exposure Limits	Not available.

Section 7. Preventive Measures

Personal Protection	Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.
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 occupational exposure limits.
Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
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. In case of insufficient ventilation, wear suitable respiratory equipment. 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	-
PIN	Not regulated. PG: -
Special Provisions for Transport	-

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BORDEAUX**Federal and State Regulations**

WARNING: This product contains chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm: 2-Propenoic acid, ethyl ester
WARNING: This product contains chemical(s) known to the State of California to cause cancer.: 2-Propenoic acid, ethyl ester
 Illinois chemical safety act: Triethylamine
 New York release reporting list: Triethylamine
 Rhode Island RTK hazardous substances: Ammonia anhydrous; Triethylamine
 Pennsylvania RTK: Ammonium hydroxide ((NH4)(OH)); 2-Propenoic acid, ethyl ester; Isopropyl alcohol; Triethylamine
 Florida: Ammonia anhydrous; Triethylamine
 Minnesota: Ammonia anhydrous; Triethylamine
 Massachusetts RTK: Ammonium hydroxide ((NH4)(OH)); Isopropyl alcohol; Triethylamine
 New Jersey: Ammonia anhydrous; Isopropyl alcohol; Triethylamine
 New Jersey spill list: Ammonia anhydrous
 TSCA 8(b) inventory: Isopropyl alcohol; Triethylamine
 TSCA 8(d) H and S data reporting: Triethylamine
 SARA 302/304/311/312 extremely hazardous substances: Isopropyl alcohol
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 2-Propanol: Fire hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard
 CERCLA: Hazardous substances.: Ammonia anhydrous; Triethylamine: 5000 lbs. (2268 kg); 2-Propanone: 5000 lbs. (2268 kg);
 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).
Class D-2B: Material causing other toxic effects (TOXIC).

HCS (U.S.A.) Target organ effects
 Corrosive Material

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

Health Hazard * 3
Fire Hazard 0
Reactivity 0
Personal Protection

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

Health 0
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. Cold water may be used. Get medical attention.

Skin Contact Wash with soap and water. Get medical attention if irritation develops. Cold water may be used.

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.

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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 Florendo Tarnate on 9/15/2005.**

Verified by Florendo Tarnate.

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