MaterialSafety DataSheet

Section 1. Product Identification and Use

Product Name - Trade Name **824-2002 AQUAWIPE CONCENTRATE BROWN RED**

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	824-2002
Synonym	AQUAWIPE CONCENTRATE BROWN RED
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	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 (United States, 1994).** TWA: 400 ppm STEL: 500 ppm TWA: 983 mg/m^3 STEL: 1230 mg/m^3
Diethylene glycol monobutyl ether	112-34-5	1 - 5	ORAL (LD50): Acute: 6560 mg/kg [Rat.]. 7292 mg/kg [Rat]. 5717 mg/kg [Rat]. DERMAL (LD50): Acute: 4120 mg/kg [Rabbit.]. 2764 mg/kg [Rabbit]. 4040 mg/kg [Rabbit].	
Ethylene glycol monopropyl ether	2807-30-9	1 - 5	ORAL (LD50): Acute: 3089 mg/kg [Rat]. DERMAL (LD50): Acute: 1337 mg/kg [Rabbit]. VAPOR (LC50): Acute: 1530 mg/l 8 hour/hours [Rabbit].	TWA: 25 ppm

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.

Continued on Next Page

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: 103.56°C (218.4°F)
Melting Point	May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -21.25°C (-6.2°F)
Critical Temperature	Not available.
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: 2.54 kPa (19.05 mm Hg) (at 20°C)
Vapor Density	The highest known value is 5.6 (Air = 1) (Ethanol, 2-propoxy-). Weighted average: 1.39 (Air = 1)
Volatility	Not available.
Odor Threshold	The lowest known value is 22 ppm (2-Propanol)
Water/Oil Dist. Coeff.	The product is more soluble in water.
Ionicity (in Water)	Not available.
Dispersion Properties	See solubility in water, methanol, diethyl ether, n-octanol.
Solubility	Easily soluble in cold water, hot water, methanol. Soluble in diethyl ether. Partially 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	Not applicable.
Explosion hazards in the presence of various substances	Not applicable
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	Reactive or incompatible with the following materials: oxidizing materials, reducing materials, organic materials, acids and alkalis. Non-reactive or compatible with the following materials: combustible materials, metals and moisture.

Continued on Next Page

Corrosivity	Not available.
Special Remarks on Reactivity	Incompatible with chlorinated compounds. (2-Propanol)
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 3089 mg/kg [Rat]. (Ethanol, 2-propoxy-). Acute dermal toxicity (LD50): 1337 mg/kg [Rabbit]. (Ethanol, 2-propoxy-). Acute toxicity of the vapor (LC50): 16000 ppm 8 hour/hours [Rat.]. (2-Propanol).
Effects of Acute Exposure	Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (corrosive, permeator).
Chronic Effects on Humans	**CARCINOGENIC EFFECTS**: Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [2-Propanol]. Classified 4 (Probably not for humans.) by IARC [Ethanamine, N,N-diethyl-]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Ethanamine, N,N-diethyl-]. Classified 4 (Probably not for humans.) by IARC, None. by OSHA [2-Furanmethanol, tetrahydro-]. Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [2-Propanone]. Classified D (Not classifiable for humans or animals.) by EPA [2-Propanone]. **MUTAGENIC EFFECTS**: Not available. **TERATOGENIC EFFECTS**: Classified None. for humans [2-Propanone]. **DEVELOPMENTAL TOXICITY**: Not available. The substance is toxic to blood, kidneys, lungs, the nervous system, liver, skin, eyes. Repeated or prolonged exposure to the substance can produce target organs damage.
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	Safety glasses. 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. Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Suggested protective clothing might not be adequate. 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 if water-soluble 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	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container. Finish cleaning by flushing the contaminated surface with water and allowing it to run to the foul sewer.
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.

Continued on Next Page

TDG Classification -

PIN Not regulated. **PG:** -

Special Provisions for Transport -

Federal and State Regulations

WARNING: This product contains chemical/chemicals 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/chemicals 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; Propanol, 1(or 2)-(2-methoxymethylethoxy)-; 1,2-Propanediol; 2-Furanmethanol, tetrahydro-; Ethanol, 2-propoxy-; Ethanol, 2-(2-butoxyethoxy)-
Florida: Ammonia anhydrous; Triethylamine
Minnesota: Ammonia anhydrous; Triethylamine
Massachusetts RTK: Ammonium hydroxide ((NH4)(OH)); Isopropyl alcohol; Triethylamine; 2-Furanmethanol, tetrahydro-
New Jersey: Ammonia anhydrous; Isopropyl alcohol; Triethylamine; Propanol, 1(or 2)-(2-methoxymethylethoxy)-; Ethanol, 2-propoxy-; Ethanol, 2-(2-butoxyethoxy)-
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; Ethanol, 2-propoxy-: 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);

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications

WHMIS (Canada) **Class D-2B: Material causing other toxic effects (Toxic).**

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

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

Health Hazard	*	1
Fire Hazard		0
Reactivity		0
Personal Protection		G

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

Health	1
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 In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.

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.

Continued on Next Page

Hazardous Inhalation Not available.

Ingestion Do not induce vomiting. Examine the lips and mouth to ascertain if the tissues are damaged, a possible indication that 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. Davis on 1/5/2006.**
Verified by A. Davis.
Printed 9/28/2006.

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.