

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **423-9520 ACRYLLAK CLEAR FLAT**

Supplier - Manufacturer **Chemcraft International Inc.,**
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For Transport Emergency or After Hours

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Code 423-9520
Synonym ACRYLLAK CLEAR FLAT
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

					<u>Exposure limits</u>
Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀	TLV/PEL	
Diethylene glycol monoethyl ether	111-90-0	1 - 5	ORAL (LD50): Acute: 5500 mg/kg [Rat]. 3670 mg/kg [Guinea pig]. 6301 mg/kg [Mouse]. DERMAL (LD50): Acute: 8500 mg/kg [Rabbit]. 9143 mg/kg [Rabbit]. 6000 mg/kg [Rat].		
N-Methyl pyrrolidone	872-50-4	1 - 5	ORAL (LD50): Acute: 4200 mg/kg [Rat]. 5130 mg/kg [Mouse]. DERMAL (LD50): Acute: 8000 mg/kg [Rabbit].		
Ethylene glycol monobutyl ether	111-76-2	0.1 - 1	ORAL (LD50): Acute: 1746 mg/kg [Rat]. 1519 mg/kg [Mouse]. 1414 mg/kg [Guinea pig]. DERMAL (LD50): Acute: >2000 mg/kg [Guinea pig]. 435 mg/kg [Rabbit]. 490 mg/kg [Rat]. VAPOR (LC50): Acute: >633 ppm 1 hour/hours [Guinea pig].	OSHA (United States). TWA: 25 ppm ACGIH (United States). 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.

Section 3. Physical Data

Physical State and Appearance	Liquid.			
Color	Light.	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: 116.2°C (241.2°F)			
Melting Point	May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -9.89°C (14.2°F)			
Critical Temperature	Not available.			
Specific Gravity	1.06 (Water = 1)			
Vapor Pressure	The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water). Weighted average: 2.06 kPa (15.45 mm Hg) (at 20°C)			
Vapor Density	The highest known value is 13.8 (Air = 1) (Ethanol, 2-butoxy-, phosphate (3:1)). Weighted average: 2.01 (Air = 1)			
Volatility	Not available.			
Odor Threshold	Not available.			
Water/Oil Dist. Coeff.	Not available.			
Ionicity (in Water)	Not available.			
Dispersion Properties	Not dispersible in cold water, hot water. See solubility in methanol, diethyl ether, acetone.			
Solubility	Easily soluble in methanol, acetone. Partially soluble in diethyl ether. Insoluble in cold water, hot water.			

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. After water evaporates, remaining material will burn.
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 etc.), phosphates.
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 and reducing materials. Non-reactive or compatible with the following materials: combustible materials, metals, acids, alkalis and moisture.

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Corrosivity	Not available.
Special Remarks on Reactivity	Hygroscopic; keep container tightly closed. (Ethanol, 2-(2-ethoxyethoxy)-)
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): 3670 mg/kg [Guinea pig]. (Ethanol, 2-(2-ethoxyethoxy)-). Acute dermal toxicity (LD50): 6000 mg/kg [Rat]. (Ethanol, 2-(2-ethoxyethoxy)-).
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 [Ethanol, 2-(2-ethoxyethoxy)-]. Classified A5 (Not suspected for humans.) by ACGIH [2-Pyrrolidinone, 1-methyl-]. Classified 4 (Probably not for humans.) by IARC [Silica gel, pptd., cryst.-free]. 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-]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Teratogenic NOAEL [89 ppm] [2-Pyrrolidinone, 1-methyl-]. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to the nervous system. 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	Lacrymator. (Ethanamine, N,N-diethyl-)
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (Silica gel, pptd., cryst.-free)
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	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.
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.
TDG Classification	-
PIN	Not regulated. PG: -

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Special Provisions for Transport	-
Federal and State Regulations	<p>WARNING: This product contains chemical/chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: 2-Pyrrolidinone, 1-methyl-</p> <p>WARNING: This product contains chemical/chemicals known to the state of California to cause birth defects or other reproductive harm.: 2-Pyrrolidinone, 1-methyl-</p> <p>Illinois chemical safety act: Ethanamine, N,N-diethyl-</p> <p>New York release reporting list: Ethanamine, N,N-diethyl-</p> <p>Rhode Island RTK hazardous substances: Ammonia anhydrous; Ethanamine, N,N-diethyl-</p> <p>Pennsylvania RTK: Ammonia anhydrous: (environmental hazard); Ammonium hydroxide ((NH4)(OH)); 2-Pyrrolidinone, 1-methyl-; Ethanamine, N,N-diethyl-; Ethanol, 2-(2-butoxyethoxy)-; Ethanol, 2-butoxy-</p> <p>Florida: Ammonia anhydrous; 2-Pyrrolidinone, 1-methyl-; Ethanamine, N,N-diethyl-</p> <p>Minnesota: Ammonia anhydrous; 2-Pyrrolidinone, 1-methyl-; Ethanamine, N,N-diethyl-</p> <p>Massachusetts RTK: Ammonia anhydrous; Ammonium hydroxide ((NH4)(OH)); 2-Pyrrolidinone, 1-methyl-; Ethanamine, N,N-diethyl-</p> <p>New Jersey: Ammonia anhydrous; 2-Pyrrolidinone, 1-methyl-; Ethanamine, N,N-diethyl-; Ethanol, 2-(2-butoxyethoxy)-; Ethanol, 2-butoxy-</p> <p>New Jersey spill list: Ammonia anhydrous</p> <p>TSCA 8(b) inventory: Ethanamine, N,N-diethyl-; Ethanol, 2-butoxy-</p> <p>TSCA 8(d) H and S data reporting: Ethanamine, N,N-diethyl-</p> <p>CERCLA: Hazardous substances.: Ammonia anhydrous; 2-Pyrrolidinone, 1-methyl-; Ethanamine, N,N-diethyl-: 5000 lbs. (2268 kg);</p>

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

Other Classifications **WHMIS (Canada)** **Not controlled under WHMIS (Canada).**
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	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. Get medical attention.

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.

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.

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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 A. Davis on 12/29/2005.**

Verified by A. Davis.

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