

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **423-1050 AQUALUX™ SEMIGLOSS**

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

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Code 423-1050

Synonym AQUALUX™ SEMIGLOSS

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
Ethylene glycol monobutyl ether	111-76-2	5 - 15	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
Propylene glycol phenyl ether	770-35-4	1 - 5	ORAL (LD50): Acute: 2830 mg/kg [Rat, male.]. 3730 mg/kg [Rat, female.].	

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 100°C (212°F) (Water). Weighted average: 115.56°C (240°F)

Melting Point May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -9.65°C (14.6°F)

Critical Temperature Not available.

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Specific Gravity	1.04 (Water = 1)
Vapor Pressure	The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water). Weighted average: 2.02 kPa (15.15 mm Hg) (at 20°C)
Vapor Density	The highest known value is 5.27 (Air = 1) (1,2-Benzenedicarboxylic acid, di-C(8-10)-branched alkyl esters, C9-rich). Weighted average: 1.49 (Air = 1)
Volatility	Not available.
Odor Threshold	Not available.
Water/Oil Dist. Coeff.	The product is more soluble in octanol.
Ionicity (in Water)	Not available.
Dispersion Properties	Not dispersible in cold water, hot water. See solubility in methanol, acetone.
Solubility	Easily soluble in methanol, acetone. Very slightly soluble in diethyl ether, n-octanol. 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).
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 alkalis. Slightly reactive or incompatible with the following materials: acids. Non-reactive or compatible with the following materials: reducing materials, combustible materials, metals and moisture.
Corrosivity	Not available.
Special Remarks on Reactivity	Incompatible with hydrogen fluoride. (Silica)
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): 1414 mg/kg [Guinea pig]. (Ethanol, 2-butoxy-). Acute dermal toxicity (LD50): 435 mg/kg [Rabbit]. (Ethanol, 2-butoxy-). Acute toxicity of the gas (LC50): 450 ppm 4 hour/hours [Rat]. (Ethanol, 2-butoxy-). Acute toxicity of the vapor (LC50): >633 ppm 1 hour/hours [Guinea pig]. (Ethanol, 2-butoxy-).
Effects of Acute Exposure	Hazardous in case of skin contact (permeator), of ingestion, of inhalation.
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified 4 (Probably not for humans.) by IARC, None. by OSHA [2-Propanol, 1-phenoxy-]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, kidneys, lungs, liver, bone marrow, eye, lens or cornea. Repeated or prolonged exposure to the substance can produce target organs damage.
Special Remarks on Toxicity to Animals	Very low toxicity for humans or animals. (Poly(oxy(methyl-1,2-ethanediy)), alpha-hydro-omega-hydroxy-)
Special Remarks on Chronic Effects on Humans	Can cause gastrointestinal disturbances. (1,2-Propanediol)
Special Remarks on Other Toxic Effects on Humans	Exposure can cause nausea, headache and vomiting. (Ethanol, 2-butoxy-)
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. Ensure that eyewash stations and safety showers are close to the workstation location.
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	Do not ingest. Do not breathe gas/fumes/ vapor/spray. 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	-

Federal and State Regulations	Illinois toxic substances disclosure to employee act: Benzene, ethyl- New York acutely hazardous substances: Benzene, ethyl- Rhode Island RTK hazardous substances: Ammonia anhydrous; Benzene, ethyl- Pennsylvania RTK: Ammonium hydroxide ((NH ₄)(OH)); Ethanol, 2-butoxy-; 1,2-Propanediol; Benzene, ethyl-; Benzene, dimethyl- Florida: Ammonia anhydrous; Benzene, ethyl- Minnesota: Ammonia anhydrous; Benzene, ethyl- Massachusetts RTK: Ammonium hydroxide ((NH ₄)(OH)); Benzene, ethyl- New Jersey: Ammonia anhydrous; Ethanol, 2-butoxy-; Benzene, ethyl- New Jersey spill list: Ammonia anhydrous TSCA 8(b) inventory: Ethylene glycol monobutyl ether; Ethanol, 2-butoxy-; Benzene, ethyl-; Benzene, dimethyl- TSCA 8(d) H and S data reporting: Benzene, ethyl- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Ammonium hydroxide ((NH ₄)(OH)); Ethylene glycol monobutyl ether: Immediate (acute) health hazard, Delayed (chronic) health hazard CERCLA: Hazardous substances.: Ammonia anhydrous; Benzene, ethyl-: 1000 lbs. (453.6 kg); Benzene, dimethyl-: 100 lbs. (45.36 kg); Isobutyl alcohol;	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	WHMS (Canada)	Class D-1A: Material causing immediate and serious toxic effects (Very toxic). Class D-2A: Material causing other toxic effects (Very toxic).
	HCS (U.S.A.)	Toxic Target organ effects
Hazardous Material Information System (U.S.A.)	Health Hazard	* 2
	Fire Hazard	0
	Reactivity	0
	Personal Protection	G
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.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.
Hazardous Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
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 J. Crawley on 10/15/2006.

Verified by J. Crawley.

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