

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name 550-501 NEUTRALCHEMFIL

Supplier - Manufacturer Chemcraft® International Inc.
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Code 550-501

Synonym NEUTRAL CHEMFIL

Chemical Name Not applicable.

Chemical Family Synthetic polymer in organic solvent (Paint.)

Chemical Formula Not applicable.

Material Uses Coatings: Surface coatings and finishes

Product Identification Number (PIN) 1263 PAINT

Section 2. Hazardous Ingredients

Exposure limits

Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀	TLV/PEL
Xylenes	1330-20-7	5 - 15	ORAL (LD50): Acute: 4300 mg/kg [Rat].	ACGIH (United States, 1992). TWA: 100 ppm STEL: 150 ppm TWA: 434 mg/m ³ STEL: 651 mg/m ³
Mica	12001-26-2	5 - 15	Not available.	ACGIH (United States). TWA: 3 mg/m ³
Ethylbenzene	100-41-4	1 - 5	ORAL (LD50): Acute: 3500 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].	ACGIH (United States). TWA: 100 ppm STEL: 125 ppm NIOSH STEL: 125 ppm
Silica quartz	14808-60-7	0.1 - 1	Not available.	ACGIH (United States). Notes: Respirable TWA: 0.1 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) Not applicable.

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Boiling Point	The lowest known value is 136.2°C (277.2°F) (Benzene, ethyl-). Weighted average: 138.03°C (280.5°F)
Melting Point	May start to solidify at -94.9°C (-138.8°F) based on data for: Benzene, ethyl-.
Critical Temperature	Not available.
Specific Gravity	Weighted average: 0.97 (Water = 1)
Vapor Pressure	The highest known value is 0.9 kPa (7.1 mm Hg) (at 20°C) (Benzene, ethyl-). Weighted average: 0.82 kPa (6.15 mm Hg) (at 20°C)
Vapor Density	The highest known value is 3.7 (Air = 1) (Benzene, dimethyl-). Weighted average: 3.69 (Air = 1)
Volatility	Not available.
Odor Threshold	The lowest known value is 0.3 ppm (Benzene, dimethyl-) Weighted average: 0.65 ppm
Water/Oil Dist. Coeff.	The product is much more soluble in octanol.
Ionicity (in Water)	Not available.
Dispersion Properties	Not dispersible in cold water, hot water. See solubility in methanol, diethyl ether, n-octanol, acetone.
Solubility	Easily soluble in methanol, diethyl ether, n-octanol, acetone. Insoluble in cold water, hot water.

Section 4. Fire and Explosion Hazard

The Product is:	Flammable.
Fire Hazards in Presence of Various Substances	Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Fire Fighting Media and Instructions	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray or fog. Cool containers with water jet in order to prevent pressure build-up, auto-ignition or explosion.
Special Remarks on Fire Hazards	Vapor may travel considerable distance to source of ignition and flash back. (Benzene, dimethyl-)
Flash Points	The lowest known value is Closed cup: 24°C (75.2°F). (Tagliabue.). Open cup: 37.8°C (100°F). (Cleveland). (Benzene, dimethyl-)
Flammable Limits	The greatest known range is Lower: 1.1% Upper: 7% (Benzene, dimethyl-)
Auto-Ignition Temperature	The lowest known value is 432°C (809.6°F) (Benzene, ethyl-).
Products of Combustion	These products are carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ etc.). Some metallic oxides.
Explosion Hazards in Presence of Various Substances	Explosive in the presence of the following materials or conditions: 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	Highly reactive or incompatible with the following materials: oxidizing materials. Reactive or incompatible with the following materials: reducing materials, organic materials, metals and alkalis. Slightly reactive or incompatible with the following materials: acids. Non-reactive or compatible with the following materials: combustible materials and moisture.
Corrosivity	Not available.
Special Remarks on Reactivity	Incompatible with chloroformates. (1,2-Propanediol)

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Special Remarks on Corrosivity Not available.

Section 6. Toxicological Properties

Routes of Entry Not available.

Toxicity to Animals Acute oral toxicity (LD50): 3500 mg/kg [Rat]. (Benzene, ethyl-).
Acute dermal toxicity (LD50): 5000 mg/kg [Rabbit]. (Benzene, ethyl-).

Effects of Acute Exposure Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.

Chronic Effects on Humans **CARCINOGENIC EFFECTS:** Classified 1 (Proven for humans.) by IARC, + (Proven.) by OSHA, + (Proven.) by NIOSH [Quartz (SiO₂)].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to lungs, 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 Prolonged or repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis. Prolonged exposure to high vapour concentration can cause headache, dizziness, nausea and central nervous system depression.
High level exposure to Xylene in laboratory animals, often at levels which are toxic to the mother, have affected the development of the fetus. The relevance of this to humans is not known. (Benzene, dimethyl-)

Special Remarks on Other Toxic Effects on Humans Material is irritating to mucous membranes and upper respiratory tract. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. (Benzene, dimethyl-)

Exposure Limits Not available.

Section 7. Preventive Measures

Personal Protection Safety glasses. Lab coat. Impervious gloves.

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Boots. Gloves. 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 Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not allow water to enter container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas. Dike if necessary. Call for assistance on disposal.

Waste Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Precautions Keep locked up. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

TDG Classification 3

PIN 1263 PAINT **PG:** II

Special Provisions for Transport -

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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.: Quartz (SiO₂); Naphthalene</p> <p>WARNING: This product contains chemical/chemicals known to the state of California to cause cancer.: Quartz (SiO₂); Naphthalene</p> <p>Illinois toxic substances disclosure to employee act: Benzene, ethyl-</p> <p>New York acutely hazardous substances: Benzene, ethyl-</p> <p>Rhode Island RTK hazardous substances: Benzene, ethyl-</p> <p>Pennsylvania RTK: Benzene, dimethyl-; Benzene, ethyl-; 1,2-Propanediol; Ethanol, 2-(2-methoxyethoxy)-; Ethanol, 2-(2-butoxyethoxy)-; 1,2,4-Trimethylbenzene</p> <p>Florida: Benzene, ethyl-</p> <p>Minnesota: Benzene, ethyl-</p> <p>Massachusetts RTK: Benzene, ethyl-</p> <p>New Jersey: Benzene, ethyl-; Ethanol, 2-(2-methoxyethoxy)-; Ethanol, 2-(2-butoxyethoxy)-; 1,2,4-Trimethylbenzene</p> <p>TSCA 8(b) inventory: Benzene, dimethyl-; Benzene, ethyl-; Ethanol, 2-(2-methoxyethoxy)-</p> <p>TSCA 8(d) H and S data reporting: Benzene, ethyl-</p> <p>SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Benzene, dimethyl-: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; Benzene, ethyl-: Fire hazard, Immediate (acute) health hazard</p> <p>CERCLA: Hazardous substances.: Benzene, dimethyl-: 100 lbs. (45.36 kg); Benzene, ethyl-: 1000 lbs. (453.6 kg); Isobutyl alcohol;</p>	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	WHMS (Canada)	<p>Class B-2: Flammable liquid</p> <p>Class D-2A: Material causing other toxic effects (Very toxic).</p> <p>Class D-2B: Material causing other toxic effects (Toxic).</p>
	HCS (U.S.A.)	Contains material which may cause cancer Target organ effects
Hazardous Material Information System (U.S.A.)	Health Hazard	* 1
	Fire Hazard	3
	Reactivity	0
	Personal Protection	A
National Fire Protection Association (U.S.A.)	Health	1
	Fire Hazard	3
	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	Move the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
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.

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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 1/4/2006.

Verified by A. Davis.

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