

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **550-1021 W/B MDF PRIMER (C29613)**

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

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For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code 550-1021
Synonym W/B MDF PRIMER (C29613)
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	1-5	ORAL (LD50): Acute: 470 mg/kg [Rat]. 2436 mg/kg [Rat]. DERMAL (LD50): Acute: 220 mg/kg [Rabbit]. 631 mg/kg [Rabbit].	TWA: 25 (ppm) from OSHA (PEL) [United States] TWA: 25 (ppm) from ACGIH (TLV) [United States]
Silica quartz	14808-60-7	1-5	Not available.	TWA: 0.1 (mg/m ³) from ACGIH (TLV) [United States] Respirable.
Diethylene glycol monoethyl ether	111-90-0	0.1-1	ORAL (LD50): Acute: 5500 mg/kg [Rat.]. 10502 mg/kg [Rat]. 6301 mg/kg [Mouse]. DERMAL (LD50): Acute: 8500 mg/kg [Rabbit.]. 9143 mg/kg [Rabbit].	Not available.

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: 107.85°C (226.1°F)
Melting Point May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -7.53°C (18.4°F)
Critical Temperature Not available.

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Specific Gravity	Weighted average: 1.18 (Water = 1)
Vapor Pressure	The highest known value is 2.3 kPa (@ 20°C) (Water). Weighted average: 2.08 kPa (@ 20°C)
Vapor Density	The highest known value is 4.63 (Air = 1) (Ethanol, 2-(2-ethoxyethoxy)-). Weighted average: 1.32 (Air = 1)
Volatility	Not available.
Odor Threshold	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Is not dispersed in cold water, hot water. See solubility in methanol, diethyl ether.
Solubility	Easily soluble in methanol. 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. 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 Presence of Various Substances	Risks of explosion of the product in presence of static discharge: Not available. Non-explosive in presence of shocks, of reducing materials, of combustible materials, of organic materials, of metals, of acids, of alkalis.
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, alkalis. Non-reactive with reducing agents, combustible materials, organic materials, acids.
Corrosivity	Not considered to be corrosive for metals and glass.
Special Remarks on Reactivity	Incompatible with hydrogen fluoride. (Silica)
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Inhalation.
Toxicity to Animals	Acute oral toxicity (LD50): 470 mg/kg [Rat]. (Ethanol, 2-butoxy-). Acute dermal toxicity (LD50): 220 mg/kg [Rabbit]. (Ethanol, 2-butoxy-).
Effects of Acute Exposure	Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. Non-corrosive for skin. Severe over-exposure can result in death.

Chronic Effects on Humans	<p>CARCINOGENIC EFFECTS: Classified 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [Titanium dioxide (TiO₂)]. Classified 1 (Clear evidence.) by NTP [Quartz (SiO₂)]. Classified 2A (Probable for human.) by IARC [Quartz (SiO₂)]. Classified None. by OSHA [Quartz (SiO₂)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [Ethanol, 2-(2-ethoxyethoxy)-].</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Not available.</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>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. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.</p>
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Crystalline silica is listed aby IARC as 2A - Probably carcinogenic in humans. Long term over exposure to silica causes silicosis, a form of pulmonary fibrosis. Continued exposure to silica can lead to cardiopulmonary impairment. (Quartz (SiO ₂))
Special Remarks on Other Toxic Effects on Humans	Exposure can cause nausea, headache and vomiting. (Ethanol, 2-butoxy-)
Exposure Limits	<p>Ethanol, 2-butoxy- TWA: 25 (ppm) from OSHA (PEL) [United States] TWA: 25 (ppm) from ACGIH (TLV) [United States]</p> <p>Titanium dioxide (TiO₂) TWA: 5 CEIL: 20 (ppm) from OSHA (PEL) [United States]</p> <p>Quartz (SiO₂) TWA: 0.1 (mg/m³) from ACGIH (TLV) [United States] Respirable.</p> <p>Consult local authorities for acceptable exposure limits.</p>

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. 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 threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Toxic liquid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. 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 dispose of according to local and regional authority requirements. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Precautions	Keep locked up. Do not ingest. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
TDG Classification	Not controlled under TDG (Canada).
PIN	NOT REGULATED PG: Not applicable.
Special Provisions for Transport	Not applicable.
Federal and State Regulations	<p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Quartz (SiO₂)</p> <p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Quartz (SiO₂)</p> <p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Quartz (SiO₂)</p>

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Connecticut carcinogen reporting list.: Nuocide 404D
 Rhode Island RTK hazardous substances: Ammonia, anhydrous
 Pennsylvania RTK: Ammonia, anhydrous: (environmental hazard)
 Florida: Ammonia, anhydrous
 Minnesota: Ammonia, anhydrous
 Massachusetts RTK: Ammonia, anhydrous
 New Jersey: Ammonia, anhydrous
 New Jersey spill list: Ammonia, anhydrous
 TSCA 8(b) inventory: Ethylene glycol monobutyl ether; Silica; Ammonia, anhydrous
 SARA 302/304/311/312 extremely hazardous substances: Ammonia, anhydrous
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Quartz (SiO₂): delayed health hazard
 SARA 313 toxic chemical notification and release reporting: Ethylene glycol monobutyl ether 1.96%; Ethanol, 2-(2-ethoxyethoxy)- 1%
 CERCLA: Hazardous substances.: Ammonia, anhydrous;
 OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Regulations**Other Classifications**

WHMIS (Canada) **CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).**
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
CLASS D-2B: Material causing other toxic effects (TOXIC).

HCS (U.S.A.) CLASS: Contains material which can cause cancer.
 Class: Toxic.
 Class: 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 for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
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 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.

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 G. Dicke on 6/15/2004. Verified by G. Dicke. Printed 8/25/2004.
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

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