

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **522-1412 PLASTIPRIMER FOR MDF BLACK**

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

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### For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code 522-1412

Synonym PLASTIPRIMER FOR MDF BLACK

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 <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
Isopropanol	67-63-0	5-10	ORAL (LD50): Acute: 5045 mg/kg [Rat]. 4797 mg/kg [Dog]. 3600 mg/kg [Mouse]. DERMAL (LD50): Acute: 12800 mg/kg [Rabbit].	<b>ACGIH (Canada, 1994).</b> TWA: 400 ppm STEL: 500 ppm TWA: 983 mg/m <sup>3</sup> STEL: 1230 mg/m <sup>3</sup>
Isobutyl acetate	110-19-0	5-10	ORAL (LD50): Acute: 4763 mg/kg [Rabbit]. 3200 mg/kg [Rat].	Not available.
Ethylbenzene	100-41-4	0.1-1	ORAL (LD50): Acute: 3500 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].	<b>ACGIH (Canada).</b> TWA: 100 ppm STEL: 125 ppm
m-Methyltoluene	108-38-3	1-5	ORAL (LD50): Acute: 6750 mg/kg [Rat]. DERMAL (LD50): Acute: 12400 mg/kg [Rabbit].	Not available.
p-Methyltoluene	106-42-3	0.1-1	ORAL (LD50): Acute: 4100 mg/kg [Rat].	Not available.
Isobutyl alcohol	78-83-1	1-5	ORAL (LD50): Acute: 2500 mg/kg [Rat]. 3200 mg/kg [Mouse]. DERMAL (LD50): Acute: 4200 mg/kg [Rabbit].	<b>ACGIH (Canada, 1993).</b> TWA: 50 ppm
Formaldehyde	50-00-0	0.1-1	ORAL (LD50): Acute: 100 mg/kg [Rat]. DERMAL (LD50): Acute: 270 mg/kg [Rabbit].	<b>OSHA (Canada).</b> STEL: 2 ppm TWA: 0.75 ppm
n-Butyl acetate	123-86-4	5-10	ORAL (LD50): Acute: 14130 mg/kg [Rat]. 7100 mg/kg [Mouse]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit]. 8770 mg/kg [Guinea pig].	<b>OSHA (Canada).</b> TWA: 150 ppm STEL: 200 ppm <b>ACGIH (Canada, 2000).</b> TWA: 150 ppm STEL: 200 ppm
Ethyl Acetate	141-78-6	1-5	ORAL (LD50): Acute: 5600 mg/kg [Rat].	<b>OSHA (Canada).</b> TWA: 400 <b>ACGIH (Canada).</b> TWA: 400 ppm
Ethyl alcohol	64-17-5	1-5	ORAL (LD50): Acute: 7060 mg/kg	<b>OSHA (Canada).</b>

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<b>Explosion Hazards in Presence of Various Substances</b>	Explosive in presence of open flames, sparks and static discharge. Slightly explosive in presence of shocks.
<b>Special Remarks on Explosion Hazards</b>	Not available.

### Section 5. Reactivity Data

<b>Stability</b>	The product is stable.
<b>Decomposition products</b>	Not available.
<b>Conditions of Instability</b>	Avoid contact with oxidizing agents. (Benzene, (1-methylethenyl)-)
<b>Incompatibility with various substances</b>	Reactive with oxidizing agents. Slightly reactive to reactive with reducing agents, acids, alkalis.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	Incompatible with chlorinated compounds. (2-Propanol)
<b>Special Remarks on Corrosivity</b>	Not available.

### Section 6. Toxicological Properties

<b>Routes of Entry</b>	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 2500 mg/kg [Rat]. (1-Propanol, 2-methyl-). Acute dermal toxicity (LD50): 4200 mg/kg [Rabbit]. (1-Propanol, 2-methyl-). Acute toxicity of the vapor (LC50): >1800 ppm 4 hour(s) [Rat]. (Acetic Acid, Butyl Ester).
<b>Effects of Acute Exposure</b>	Very hazardous in case of skin contact (irritant), of eye contact (irritant). Hazardous in case of skin contact (permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
<b>Chronic Effects on Humans</b>	<b>CARCINOGENIC EFFECTS:</b> Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [2-Propanol]. Classified A4 (Not classifiable for human or animal.) by ACGIH [Benzene, 1,3-dimethyl-]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [Methanol]. Classified A2 (Suspected for human.) by ACGIH, 2A (Probable for human.) by IARC [Formaldehyde]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Acetic Acid, Ethyl Ester]. Classified A4 (Not classifiable for human or animal.) by ACGIH [Ethanol]. Classified A2 (Suspected for human.) by ACGIH, 2A (Probable for human.) by IARC [Formaldehyde]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [1-Butanol]. Classified 4 (Probably not for human.) by IARC, None. by OSHA [Carbon Black]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Formaldehyde]. Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Ethanol]. Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Formaldehyde]. The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
<b>Special Remarks on Toxicity to Animals</b>	Formaldehyde has caused cancer in test animals at high concentrations (5-15 ppm). (Formaldehyde)
<b>Special Remarks on Chronic Effects on Humans</b>	Detected in maternal milk in human. (2-Propanol)
<b>Special Remarks on Other Toxic Effects on Humans</b>	Exposure can cause nausea, headache and vomiting. (2-Propanol)
<b>Exposure Limits</b>	Not available.

## Section 7. Preventive Measures

<b>Personal Protection</b>	Splash goggles. Synthetic apron. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Impervious gloves.
<b>Personal Protection in Case of a Large Spill</b>	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.
<b>Engineering Controls</b>	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 proximal to the work-station location.
<b>Small Spill</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Large Spill</b>	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 get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.
<b>Waste Disposal</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Precautions</b>	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. 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. Keep away from incompatibles such as oxidizing agents.
<b>Storage</b>	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).
<b>TDG Classification</b>	3
<b>PIN</b>	1263 PAINT <b>PG: II</b>
<b>Special Provisions for Transport</b>	
<b>Federal and State Regulations</b>	<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: Benzene, dimethyl-; Quartz (SiO<sub>2</sub>); Isobutyl alcohol; Benzene, ethyl-; Formaldehyde; Benzene; Benzene, methyl-; Formaldehyde; 1-Propanol, 2-methyl-</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 (SiO<sub>2</sub>); Isobutyl alcohol; 1-Propanol, 2-methyl-</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: Benzene; Quartz (SiO<sub>2</sub>); Isobutyl alcohol; 1-Propanol, 2-methyl-</p> <p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Benzene; Benzene, methyl-</p> <p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Benzene; Isobutyl alcohol; Formaldehyde; Formaldehyde; 1-Propanol, 2-methyl-</p> <p>Illinois toxic substances disclosure to employee act: Benzene, ethyl-</p> <p>New York release reporting list: Benzene, 1,3-dimethyl-; Methanol; Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester</p> <p>New York acutely hazardous substances: Benzene, ethyl-</p> <p>Rhode Island RTK hazardous substances: Benzene, ethyl-; 1,2-Propanediol; Methanol; Acetic Acid, Ethyl Ester</p> <p>Pennsylvania RTK: Isopropyl alcohol; Acetic acid, 2-methylpropyl ester; 1,2-Propanediol; Methanol: (environmental hazard); Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester; Ethanol; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester</p> <p>Florida: Benzene, ethyl-; Benzene, 1,3-dimethyl-; Methanol; Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester</p> <p>Minnesota: Benzene, ethyl-; 1,2-Propanediol; Methanol; Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester; Ethanol; Acetic Acid, Butyl Ester</p> <p>Massachusetts RTK: Isopropyl alcohol; Acetic acid, 2-methylpropyl ester; Benzene, ethyl-; Benzene, 1,3-dimethyl-; Methanol; Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester; Ethanol; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester</p> <p>New Jersey: Isopropyl alcohol; Acetic acid, 2-methylpropyl ester; Benzene, ethyl-; Methanol; Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester; Ethanol; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester</p> <p>TSCA 8(b) inventory: Isopropyl alcohol; Acetic acid, 2-methylpropyl ester; Benzene, dimethyl-; 1,2-Propanediol; Benzene, ethyl-; Formaldehyde; Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester;</p>

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Ethanol; Benzene, methyl-; N-Butyl Alcohol; Acetic acid, 2-methylpropyl ester; 1-Butanol; Acetic Acid, Butyl Ester  
 TSCA 5(e) substance consent order: Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester  
 TSCA 8(d) H and S data reporting: Benzene, ethyl-  
 TSCA 12(b) annual export notification: Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester  
 SARA 302/304/311/312 extremely hazardous substances: Isopropyl alcohol; Formaldehyde; N-Butyl Alcohol; 1-Butanol  
 SARA 302/304/311/312 hazardous chemicals: Methanol  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Acetic acid, 2-methylpropyl ester: Fire Hazard, Immediate (Acute) Health Hazard; Benzene, dimethyl-: Fire Hazard, Immediate (Acute) Health Hazard; Quartz (SiO2): Delayed (Chronic) Health Hazard; Isobutyl alcohol: Fire Hazard, Immediate (Acute) Health Hazard; Benzene, ethyl-: Fire Hazard, Immediate (Acute) Health Hazard; Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester: Fire Hazard, Immediate (Acute) Health Hazard; 1-Propanol, 2-methyl-: Fire Hazard, Immediate (Acute) Health Hazard  
 SARA 313 toxic chemical notification and release reporting: Isopropyl alcohol 8.63633%; Benzene, dimethyl- 2.62502%; Methanol 0.11736%; Formaldehyde 0.133393%; Benzene, methyl- 5.48496%; 1-Butanol 0.11506%  
 CERCLA: Hazardous substances.: Acetic acid, 2-methylpropyl ester; Benzene, dimethyl-; Isobutyl alcohol; Benzene, ethyl-: 1000 lbs. (453.6 kg); Methanol; Acetic Acid, Butyl Ester; Acetic Acid, Ethyl Ester; Benzene, methyl-; N-Butyl Alcohol; Acetic acid, 2-methylpropyl ester; 1-Butanol; Acetic Acid, Butyl Ester; 1-Propanol, 2-methyl-;

**Other Regulations**

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

**Other Classifications**

**WHMIS (Canada)**  
**Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).**  
**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 may cause cancer.  
 Class: Highly toxic.  
 Class: Flammable liquid having a flash point lower than 37.8°C (100°F).  
 Class: Target organ effects.  
 Class: Reproductive toxins.

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 2
	<b>Fire Hazard</b>	3
	<b>Reactivity</b>	0
	<b>Personal Protection</b>	H
<b>National Fire Protection Association (U.S.A.)</b>	<b>Health</b>	2
	<b>Fire Hazard</b>	3
	<b>Reactivity</b>	0
	<b>Specific Hazard</b>	

**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 immediately.
- Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- 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** Evacuate 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. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

<b>Ingestion</b>	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.
<b>Hazardous Ingestion</b>	Not available.

## **Section 9. Preparation Information**

<b>References</b>	-Manufacturers Material Safety Data Sheets.
<b>Other Special Considerations</b>	Not available.
<b>Related Information</b>	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.
<b>Preparation Information</b>	<b>Validated by C.M. Kelly on 11/22/2002.</b> <b>Verified by C.M. Kelly.</b> <b>Printed 11/22/2002.</b>
<b>Information Contact</b>	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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