

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **500-241 PERMATONE MAPLE**
Supplier - Manufacturer **Chemcraft International Inc.,**
155 Rose Glen Road North
P.O. Box 458
Port Hope, ON.
Canada L1A 3Z3
Telephone (905) 885-6388 Fax (905) 885-5097
In case of Emergency (905) 885-6388, (800) 263-7951

For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code 500-241
Synonym PERMATONE MAPLE
Chemical Name Not applicable.
Chemical Family Synthetic polymer in organic solvent. (Polymer.)
Chemical Formula Not applicable.
Material Uses Coatings: Surface coatings and finishes.
Product Identification Number (PIN) 1263 PAINT

Section 2. Hazardous Ingredients

					<u>Exposure Limits</u>	
Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀	TLV/PEL		
Toluene	108-88-3	55.8	ORAL (LD50): Acute: 2600 mg/kg [Rat]. DERMAL (LD50): Acute: 12210 mg/kg [Rabbit].	TWA: 200 CEIL: 300 (ppm) from OSHA (PEL) [United States] TWA: 50 (ppm) from ACGIH (TLV) [United States] [1999] TWA: 100 STEL: 150 (ppm) from NIOSH [United States] [1997] TWA: 100 STEL: 150 (ppm) from OSHA (PEL) [Canada]		
Methyl ethyl ketone	78-93-3	22.1	ORAL (LD50): Acute: 3400 mg/kg [Rat]. DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].	TWA: 200 STEL: 300 CEIL: 300 (ppb) [1993] TWA: 590 STEL: 585 CEIL: 885 (ppm) from ACGIH (TLV) [United States] [1993]		
Ethyl Acetate	141-78-6	5.11	ORAL (LD50): Acute: 5600 mg/kg [Rat].	TWA: 400 (ppb) from ACGIH (TLV) [United States]		
Ethyl alcohol	64-17-5	0.102	ORAL (LD50): Acute: 7060 mg/kg [Rat].	TWA: 1000 (ppb) from ACGIH (TLV) [United States]		
Methyl alcohol	67-56-1	9.3	ORAL (LD50): Acute: 6200 mg/kg [Rat]. 5600 mg/kg [Rat]. DERMAL (LD50): Acute: 15800 mg/kg [Rabbit].	TWA: 200 STEL: 250 (ppb) from ACGIH (TLV) [United States] [1997] TWA: 262 STEL: 328 (ppm) from ACGIH (TLV) [United States] [1997]		
Acetone	67-64-1	4.65	ORAL (LD50): Acute: 5800 mg/kg [Rat]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit].	TWA: 500 STEL: 750 (ppb) from ACGIH (TLV) [United States] [1997] TWA: 1188 STEL: 1782 (ppm) from ACGIH (TLV) [United States] [1997]		
n-Butyl acetate	123-86-4	2.79	ORAL (LD50): Acute: 14130 mg/kg [Rat]. 7100 mg/kg [Mouse].	TWA: 150 STEL: 200 (ppb) from ACGIH (TLV) [United States] [1997]		

Continued on Next Page

Section 5. Reactivity Data

Stability	The product is stable.
Decomposition products	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Reactive with oxidizing agents. Slightly reactive to reactive with reducing agents, organic materials, metals, acids, alkalis. Non-reactive with combustible materials.
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 2600 mg/kg [Rat.]. (Benzene, methyl-). Acute dermal toxicity (LD50): 5000 mg/kg [Rabbit]. (Acetic Acid, Butyl Ester).
Effects of Acute Exposure	Very hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion. Hazardous in case of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified 4 (No evidence.) by NTP [Benzene, methyl-]. Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC, D (Not classifiable for human or animal.) by EPA [Benzene, methyl-]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [2-Butanone]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [2-Propanol, 2-methyl-]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Acetic Acid, Ethyl Ester]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [Methanol]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [2-Propanone]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Classified None. for human [2-Propanone]. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Ethanol]. The substance is toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, upper respiratory tract, skin, eyes, central nervous system (CNS). 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	Inhalation of vapors may cause dizziness, an irregular heartbeat, narcosis, nausea or asphyxiation. (Benzene, methyl-)
Special Remarks on Other Toxic Effects on Humans	Exposure can cause lung irritation, chest pain and oedema which may be fatal. (Benzene, methyl-)
Exposure Limits	Benzene, methyl- TWA: 200 CEIL: 300 (ppm) from OSHA (PEL) [United States] TWA: 50 (ppm) from ACGIH (TLV) [United States] [1999] TWA: 100 STEL: 150 (ppm) from NIOSH [United States] [1997] TWA: 100 STEL: 150 (ppm) from OSHA (PEL) [Canada] 2-Butanone TWA: 200 STEL: 300 CEIL: 300 (ppb) [1993] TWA: 590 STEL: 585 CEIL: 885 (ppm) from ACGIH (TLV) [United States] [1993] 2-Propanol, 2-methyl- TWA: 100 STEL: 150 (ppb) Acetic Acid, Ethyl Ester TWA: 400 (ppb) from ACGIH (TLV) [United States] Ethanol TWA: 1000 (ppb) from ACGIH (TLV) [United States] Methanol TWA: 200 STEL: 250 (ppb) from ACGIH (TLV) [United States] [1997] TWA: 262 STEL: 328 (ppm) from ACGIH (TLV) [United States] [1997] 2-Propanone

Continued on Next Page

TWA: 500 STEL: 750 (ppb) from ACGIH (TLV) [United States] [1997]
 TWA: 1188 STEL: 1782 (ppm) from ACGIH (TLV) [United States] [1997]
Acetic Acid, Butyl Ester
 TWA: 150 STEL: 200 (ppb) from ACGIH (TLV) [United States] [1994]

Consult local authorities for acceptable exposure limits.

Section 7. Preventive Measures

Personal Protection	Splash goggles. 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	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
Large Spill	Flammable liquid. 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 touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. 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. 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. 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.
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	Class 3: Flammable liquid. CLASS 6.1: Poisonous material. Class 9.2: Environmentally hazardous material.
PIN	1263 PAINT PG: II
Special Provisions for Transport	Not available.
Federal and State Regulations	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, methyl- Rhode Island RTK hazardous substances: Benzene, methyl- Pennsylvania RTK: Benzene, methyl-: (environmental hazard) Florida: Benzene, methyl- Minnesota: Benzene, methyl- Michigan critical material: Benzene, methyl- Massachusetts RTK: Benzene, methyl- New Jersey: Benzene, methyl- TSCA 8(b) inventory: Benzene, methyl-; Ethanol; n-Butyl Acetate TSCA 8(d) H and S data reporting: Benzene, methyl- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Methyl ethyl ketone: fire, immediate health hazard; Ethyl Acetate: fire, immediate health hazard SARA 313 toxic chemical notification and release reporting: Benzene, methyl- 55.7904%; Methyl ethyl ketone 22.1378%; 2-Propanol, 2-methyl- 0.102282%; Methyl Alcohol 9.2984%; 2-Propanone 4.6492% CERCLA: Hazardous substances.: Benzene, methyl-: 1000 lbs. (453.6 kg); Methyl ethyl ketone; Ethyl Acetate; Methyl Alcohol; 2-Propanone; n-Butyl Acetate;
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-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC).

Continued on Next Page

HCS (U.S.A.)	Class: Highly toxic. Class: Flammable liquid having a flash point lower than 37.8°C (100°F). Class: Irritating substance. Class: Target organ effects. Class: Reproductive toxins.
---------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Hazardous Material Information System (U.S.A.)	Health Hazard	* 2
	Fire Hazard	3
	Reactivity	0
	Personal Protection	h
National Fire Protection Association (U.S.A.)	Health	2
	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. Cold water may be used. 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. Cold water may be used. 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.
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 A. McLeod on 11/9/2000. Verified by A. McLeod. Printed 1/10/2003.
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

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.