

# Material Safety Data Sheet

## Section 1. Product Identification and Use

**Product Name - Trade Name** 151-550 P&V REMOVER HV

**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** 151-550

**Synonym** P&V REMOVER HV

**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)** 2810 TOXIC LIQUID, ORGANIC, N.O.S. (Methylene chloride)

## Section 2. Hazardous Ingredients

### Exposure limits

Name	CAS #	% by Weight	LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
Methylene chloride	75-09-2	70 - 100	ORAL (LD50): Acute: 1987 mg/kg [Mouse]. 2524 mg/kg [Rat]. DERMAL (LD50): Acute: 4650 mg/kg [Rabbit].	<b>ACGIH (United States).</b> TWA: 50 ppm STEL: 500 ppm <b>OSHA (United States).</b> TWA: 500 ppm CEIL: 1000 ppm
Methyl alcohol	67-56-1	15 - 30	ORAL (LD50): Acute: 6200 mg/kg [Rat.]. 5600 mg/kg [Rat]. DERMAL (LD50): Acute: 15800 mg/kg [Rabbit.].	<b>OSHA (United States).</b> TWA: 200 ppm <b>ACGIH (United States, 2000).</b> TWA: 200 ppm STEL: 250 ppm <b>NIOSH (1997).</b> TWA: 200 ppm STEL: 250 ppm TWA: 260 mg/m <sup>3</sup> STEL: 325 mg/m <sup>3</sup> TWA: 25 ppm
Light aromatic naphtha	64742-95-6	1 - 5	ORAL (LD50): Acute: 6960 mg/kg [Rat.].	<b>ACGIH (United States).</b> TWA: 123 mg/m <sup>3</sup>
Mineral spirits	8052-41-3	1 - 5	ORAL (LD50): Acute: 5000 mg/kg [Rat]. DERMAL (LD50): Acute: 3160 mg/kg [Rabbit].	TWA: 100 ppm CEIL: 125 ppm <b>ACGIH (United States).</b> TWA: 525 mg/m <sup>3</sup> CEIL: 720 mg/m <sup>3</sup>
d-Limonene	5989-27-5	0.1 - 1	ORAL (LD50): Acute: 4400 mg/kg [Rat].	

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.

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### Section 3. Physical Data

<b>Physical State and Appearance</b>	Liquid.			
<b>Color</b>	Not available.	<b>Odor</b>	Not available.	<b>Taste</b> Not available.
<b>Molecular Weight</b>	Not applicable.			
<b>pH (1% soln/water)</b>	Neutral.			
<b>Boiling Point</b>	The lowest known value is 39.8°C (103.6°F) (Methane, dichloro-). Weighted average: 47.89°C (118.2°F)			
<b>Melting Point</b>	May start to solidify at -53°C (-63.4°F) based on data for: Solvent naphtha (petroleum), light arom.. Weighted average: -96°C (-140.8°F)			
<b>Critical Temperature</b>	Not available.			
<b>Specific Gravity</b>	Weighted average: 1.16 (Water = 1)			
<b>Vapor Pressure</b>	The highest known value is 46.5 kPa (348.8 mm Hg) (at 20°C) (Methane, dichloro-). Weighted average: 39.89 kPa (299.2 mm Hg) (at 20°C)			
<b>Vapor Density</b>	The highest known value is 4.8 (Air = 1) (Stoddard solvent). Weighted average: 2.67 (Air = 1)			
<b>Volatility</b>	Not available.			
<b>Odor Threshold</b>	The lowest known value is 1 ppm (Stoddard solvent) Weighted average: 210.24 ppm			
<b>Water/Oil Dist. Coeff.</b>	The product is much more soluble in octanol.			
<b>Ionicity (in Water)</b>	Not available.			
<b>Dispersion Properties</b>	Not dispersible in cold water, hot water. See solubility in methanol, diethyl ether, n-octanol.			
<b>Solubility</b>	Easily soluble in methanol, diethyl ether, n-octanol. Insoluble in cold water, hot water.			

### Section 4. Fire and Explosion Hazard

<b>The Product is:</b>	Non-flammable.
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable
<b>Fire Fighting Media and Instructions</b>	Not applicable.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Auto-Ignition Temperature</b>	Not applicable.
<b>Products of Combustion</b>	Not applicable.
<b>Explosion hazards in the presence of various substances</b>	Not applicable
<b>Special Remarks on Explosion Hazards</b>	Not available.

### Section 5. Reactivity Data

<b>Stability</b>	The product is stable.
<b>Decomposition products</b>	These products are halogenated compounds, hydrogen chloride.
<b>Conditions of Instability</b>	Not available.

<b>Incompatibility with various substances</b>	Highly reactive or incompatible with the following materials: oxidizing materials. Reactive or incompatible with the following materials: reducing materials, organic materials, metals, acids and alkalis. Non-reactive or compatible with the following materials: combustible materials and moisture.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	Not available.
<b>Special Remarks on Corrosivity</b>	Not available.

## Section 6. Toxicological Properties

<b>Routes of Entry</b>	Dermal contact. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 1987 mg/kg [Mouse]. (Methane, dichloro-). Acute dermal toxicity (LD50): 3160 mg/kg [Rabbit]. (Stoddard solvent). Acute toxicity of the gas (LC50): 49100 mg/m <sup>3</sup> 6 hour/hours [Mouse]. (Methane, dichloro-). Acute toxicity of the vapor (LC50): 14400 ppm 7 hour/hours [Mouse]. (Methane, dichloro-).
<b>Effects of Acute Exposure</b>	Very hazardous in case of ingestion, of inhalation. Hazardous in case of skin contact (permeator) . Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).
<b>Chronic Effects on Humans</b>	<b>CARCINOGENIC EFFECTS:</b> Classified 2B (Possible for humans.) by IARC [Methane, dichloro-]. Classified A2 (Suspected for humans.) by ACGIH [Methane, dichloro-]. Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [Methanol]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> PROVEN [Methane, dichloro-] The substance is toxic to kidneys, the nervous system, the reproductive system, liver, cardiovascular system. Repeated or prolonged exposure to the substance can produce target organs damage.
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	Human: passes through the placenta, excreted in maternal milk. (Methane, dichloro-)
<b>Special Remarks on Other</b>	Narcotic. (Methanol)
<b>Toxic Effects on Humans</b>	
<b>Exposure Limits</b>	Not available.

## Section 7. Preventive Measures

<b>Personal Protection</b>	Safety glasses. Lab coat. 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. 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.
<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
<b>Small Spill</b>	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.
<b>Large Spill</b>	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.
<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. 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, metals, alkalis.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.

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<b>TDG Classification</b>	6.1	
<b>PIN</b>	2810 TOXIC LIQUID, <b>PG:</b> III ORGANIC, N.O.S. (Methylene chloride)	
<b>Special Provisions for Transport</b>	-	
<b>Federal and State Regulations</b>	<p><b>WARNING:</b> This product contains chemical/chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Methane, dichloro-; Benzene</p> <p><b>WARNING:</b> This product contains chemical/chemicals known to the state of California to cause reproductive harm (male).: Benzene</p> <p><b>WARNING:</b> This product contains chemical/chemicals known to the state of California to cause birth defects or other reproductive harm.: Benzene</p> <p><b>WARNING:</b> This product contains chemical/chemicals known to the state of California to cause cancer.: Methane, dichloro-; Benzene</p> <p>New York release reporting list: Methanol          Rhode Island RTK hazardous substances: Methanol          Pennsylvania RTK: Methanol: (environmental hazard); 1,2,4-Trimethylbenzene          Florida: Methanol          Minnesota: Methanol          Massachusetts RTK: Methanol          New Jersey: Methanol; 1,2,4-Trimethylbenzene          SARA 302/304/311/312 extremely hazardous substances: Methane, dichloro-          SARA 302/304/311/312 hazardous chemicals: Methanol          CERCLA: Hazardous substances.: Methanol;</p>	
<b>Other Regulations</b>	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
<b>Other Classifications</b>	<b>WHMIS (Canada)</b>	<p><b>Class D-1A: Material causing immediate and serious toxic effects (Very toxic).</b></p> <p><b>Class D-2A: Material causing other toxic effects (Very toxic).</b></p> <p><b>Class D-2B: Material causing other toxic effects (Toxic).</b></p>
	<b>HCS (U.S.A.)</b>	Contains material which may cause cancer Target organ effects
<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 1
	<b>Fire Hazard</b>	0
	<b>Reactivity</b>	0
	<b>Personal Protection</b>	G
<b>National Fire Protection Association (U.S.A.)</b>	<b>Health</b>	1
	<b>Fire Hazard</b>	0
	<b>Reactivity</b>	0
	<b>Specific Hazard</b>	

## Section 8. First Aid Measures

<b>Eye Contact</b>	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 if irritation occurs.
<b>Skin Contact</b>	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
<b>Hazardous Skin Contact</b>	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
<b>Hazardous Inhalation</b>	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.

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<b>Ingestion</b>	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.
<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 K. William on 1/25/2006.</b> <b>Verified by K. William.</b> <b>Printed 10/18/2006.</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**

*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.*