

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.,
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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 ₅₀ /LD ₅₀	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].	ACGIH (United States). TWA: 50 ppm STEL: 500 ppm OSHA (United States). 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].	OSHA (United States). TWA: 200 ppm ACGIH (United States, 2000). TWA: 200 ppm STEL: 250 ppm NIOSH (1997). TWA: 200 ppm STEL: 250 ppm TWA: 260 mg/m ³ STEL: 325 mg/m ³ TWA: 25 ppm
Light aromatic naphtha	64742-95-6	1 - 5	ORAL (LD50): Acute: 6960 mg/kg [Rat.].	ACGIH (United States). TWA: 123 mg/m ³
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 ACGIH (United States). TWA: 525 mg/m ³ CEIL: 720 mg/m ³
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

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 39.8°C (103.6°F) (Methane, dichloro-). Weighted average: 47.89°C (118.2°F)			
Melting Point	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)			
Critical Temperature	Not available.			
Specific Gravity	Weighted average: 1.16 (Water = 1)			
Vapor Pressure	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)			
Vapor Density	The highest known value is 4.8 (Air = 1) (Stoddard solvent). Weighted average: 2.67 (Air = 1)			
Volatility	Not available.			
Odor Threshold	The lowest known value is 1 ppm (Stoddard solvent) Weighted average: 210.24 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.			
Solubility	Easily soluble in methanol, diethyl ether, n-octanol. 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	Not available.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Auto-Ignition Temperature	Not applicable.
Products of Combustion	Not applicable.
Explosion hazards in the presence of various substances	Not applicable
Special Remarks on Explosion Hazards	Not available.

Section 5. Reactivity Data

Stability	The product is stable.
Decomposition products	These products are halogenated compounds, hydrogen chloride.
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, acids and alkalis. Non-reactive or compatible with the following materials: combustible materials and moisture.
Corrosivity	Not available.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	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 ³ 6 hour/hours [Mouse]. (Methane, dichloro-). Acute toxicity of the vapor (LC50): 14400 ppm 7 hour/hours [Mouse]. (Methane, dichloro-).
Effects of Acute Exposure	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).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: 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]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: 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.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Human: passes through the placenta, excreted in maternal milk. (Methane, dichloro-)
Special Remarks on Other	Narcotic. (Methanol)
Toxic Effects on Humans	
Exposure Limits	Not available.

Section 7. Preventive Measures

Personal Protection	Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Impervious gloves.
Personal Protection in Case of a Large Spill	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.
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
Small Spill	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.
Large Spill	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.
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. 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.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

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TDG Classification	6.1	
PIN	2810 TOXIC LIQUID, PG: III ORGANIC, N.O.S. (Methylene chloride)	
Special Provisions for Transport	-	
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.: Methane, dichloro-; Benzene</p> <p>WARNING: This product contains chemical/chemicals known to the state of California to cause reproductive harm (male).: Benzene</p> <p>WARNING: This product contains chemical/chemicals known to the state of California to cause birth defects or other reproductive harm.: Benzene</p> <p>WARNING: 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>	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	WHMIS (Canada)	<p>Class D-1A: Material causing immediate and serious toxic effects (Very toxic).</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	0
	Reactivity	0
	Personal Protection	G
National Fire Protection Association (U.S.A.)	Health	1
	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 if irritation occurs.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Hazardous Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
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.

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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.
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 K. William on 1/25/2006.**

Verified by K. William.

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