

# MATERIAL SAFETY DATA SHEET

## 1. American Polywater Corporation

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**Emergency Number:** 1-651-430-2270

**Product Name: Type HP™  
Cleaner/Degreaser**

**Chemical Description:** Hydrocarbon/Terpene Blend  
**Canada WHMIS Class:** B3

**Date Reviewed:** June 23, 2004

**Reviewed By:** S. H. Dahlke

## 2. HAZARDOUS INGREDIENTS

<u>Components*</u>	<u>CAS #</u>	<u>Weight %</u>	<u>ACGIH TLV**</u>	<u>OSHA TWA</u>
Medium Aliphatic Petroleum Solvent	64742-47-8	<100%	NE***	NE***
Monocyclic Terpene	5989-27-5	< 25%	NE***	NE***

\* All components are listed on the TSCA inventory.

\*\* Recommend TLV of 500 ppm for Type HP™ Cleaner/Degreaser.

\*\*\* Not Established

## 3. HAZARDS IDENTIFICATION

	<u>HMIS</u>	<u>NFPA</u>	<u>Key</u>	
Health	1	0	0-minimal	3-serious
Flammability	2	2	1-slight	4-severe
Reactivity	0	0	2-moderate	

## 4. FIRST AID

**Eye Contact:** If eye irritation from exposure to vapors develops, move to fresh air. Flush eyes with clean water. If irritation persists, seek medical attention. For direct eye contact, flush with large quantity of water for 15 minutes. Seek medical attention.

**Skin Contact:** Remove contaminated clothing; flush skin thoroughly with water. If irritation occurs, seek medical attention.

**Inhalation (Breathing):** If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention. If breathing is difficult, provide oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.

**Ingestion (Swallowing):** Do not induce vomiting or give anything by mouth. Petroleum content can be aspirated into lungs and cause aspiration pneumonitis. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention.

## 5. FIRE AND EXPLOSION HAZARD

**Flash Point:** > 141°F / 60.5°C (PMCC)

**Flammable Limits:** Unknown

**Extinguishing Media:** Carbon Dioxide, Dry Chemical or Foam

**Special Procedures:** Avoid direct streams of water, as fire scattering may occur.

**Unusual Hazards:** Sealed container can build up pressure when exposed to high heat. Cool containers with water.

## 6. ACCIDENTAL RELEASE MEASURES

For small spills, absorb with sand or absorbents. For large spills, stay upwind and away from spill. Keep all sources of ignition away from spill. If spill is indoors, ventilate area of spill. Foam, especially high expansion foam, may be used to suppress vapors. Keep out of drains, sewers or waterways. Use sand or other inert material to dam and contain spill. Do not flush area with water.

## 7. HANDLING AND STORAGE

Keep containers tightly closed. Keep containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**8. CONTROL MEASURES**

**Respiratory Protection:** Normal ventilation adequate. If exposure exceeds recommended limits, respirator protection is recommended. Use a respirator or gas mask with cartridges for organic vapors (NIOSH approved) or use supplied air equipment.

**Protective Gloves:** For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.

**Eye Protection:** Eye protection is recommended, especially if the material is used in ways where it could splash in the eyes.

**Other Protective Equipment:** It is suggested that a source of clean water be available in work area for flushing eyes and skin. Impervious clothing should be worn as needed.

**9. PHYSICAL DATA**

**Appearance:** Clear, colorless liquid

**Vapor Pressure:** <1 mm Hg @ 20°C

**Specific Gravity (H<sub>2</sub>O = 1):** .79

**Percent Volatiles (Weight):** 100%

**VOC Content:** 790 gms/L

**Boiling Point:** IBP: 365°F / 185°C

**Vapor Density (Air = 1):** Not Determined

**Solubility in Water:** Nil

**Evaporation Rate:** >.1 (n-butyl acetate = 1)

**10. REACTIVITY DATA**

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Incompatibility:** Avoid heat, flame and contact with strong oxidizing agents.

**11. HEALTH HAZARD/TOXICOLOGICAL INFORMATION**

**Eye Contact:** Direct eye contact with vapors or splashes may cause eye irritation. This irritation is minimal and expected to be transient.

**Skin Contact:** This product has low skin irritation potential. Prolonged or repeated skin exposure can remove oils, causing redness, drying and cracking. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material.

**Inhalation (Breathing):** Concentrated petroleum solvent vapors may cause irritation of the nose and throat. Prolonged exposure to excessively high vapor concentrations can result in central nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue). Persons with impaired lung function may experience additional breathing difficulties due to the irritant properties of this material.

**Ingestion (Swallowing):** LD<sub>50</sub> (rat) for petroleum distillate is > 20 gm/kg. LD<sub>50</sub> for terpene is > 5 gm/kg. Material has low level of oral toxicity. Ingestion of large quantities may cause irritation of the digestive tract, nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue).

**Aspiration Hazard:** Petroleum solvent content can enter lungs during swallowing or vomiting and cause aspiration pneumonitis.

**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA, nor have any of its components.

**12. DISPOSAL CONSIDERATIONS**

Dispose of product in accordance with local, county, state, and federal regulations. Type HP™ Cleaner/Degreaser is not considered hazardous waste under RCRA.

**13. TRANSPORTATION**

**DOT Hazard Class:** Not Regulated

**DOT Shipping Name:** Not Regulated

For shipment in non-bulk containers (<119 gallons)

**14. REGULATORY STATUS**

<b>Hazard Categories for SARA Section 311/312 Reporting</b>	<b>Acute</b> No	<b>Chronic</b> No	<b>Fire</b> Yes	<b>Pressure</b> No	<b>Reactive</b> No
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<b>Components</b>	<b>CERCLA/SARA Sec. 302 Hazardous Substance RQ</b>	<b>EHS TPQ</b>	<b>SARA Sec. 313 Toxic Release</b>
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The components of Type HP™ Cleaner/Degreaser are not affected by these Superfund regulations.

**View the HP™ Cleaner / Degreaser MSDS online at <http://www.polywater.com/hpmsds.html>**