

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE AND PREPARATION

### Supplier/Manufacturer:

**American Polywater Corporation**  
11222 - 60th Street North  
P.O. Box 53  
Stillwater, MN 55082 USA  
Phone: 1-651-430-2270  
Fax: 1-651-430-3634

**Polywater Europe BV**  
Mauritsplaat 126  
NL-3012CD Rotterdam  
Netherlands  
Tel: +31 10 233 0578

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

**Product Name: Type HP™  
Cleaner/Degreaser  
Saturated Wipe or Towel Package**

**Chemical Description:** Hydrocarbon/Terpene Blend

**Product Use:** Towelette Saturated with Cleaning Preparation

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt</u>
Medium Aliphatic Petroleum Solvent	64742-47-8	265-149-8	< 30 gm/towel (100%)
Citrus Terpenes	94266-47-4	304-454-3	< 5 gm/towel (25%)

## 3. HAZARDS IDENTIFICATION

### Emergency Overview:

Combustible. Keep away from fire and flame. Use with adequate ventilation. Do not ingest. May cause skin irritation. Avoid contact with skin. In case of eye contact, flush eyes with water. Keep out of reach of children.

### Eye Contact:

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

### Skin Contact:

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.

### Irritation and Sensitization Potential:

Product may be irritating to skin and eyes. It is not a sensitizer.

### 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):

Maximum amount in a single saturated towel is less than 30 grams of solvent. Ingestion of large quantities may cause irritation of the digestive tract and nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue).

#### 4. FIRST AID MEASURES

<b>Eye Contact:</b>	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.
<b>Skin Contact:</b>	Remove contaminated clothing; flush skin thoroughly with water. If irritation occurs, seek medical attention.
<b>Inhalation (Breathing):</b>	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.
<b>Ingestion (Swallowing):</b>	Do not induce vomiting or give anything by mouth. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point (bulk liquid):</b>	> 140° F/60.5 °C (PMCC)
<b>Flammable Limits (bulk liquid):</b>	LEL = 0.7% UEL = 6.1%-7.0%
<b>Autoignition Temperature:</b>	Not Available
<b>Hazardous Decomposition and By-Products:</b>	Burning generates CO, CO <sub>2</sub> and smoke. Smoke may be acrid and fumes irritating.
<b>Extinguishing Media:</b>	Carbon Dioxide, Dry Chemical or Foam.
<b>Special Precautions:</b>	Towelettes will ignite. If burning, smother or isolate from other flammable materials.
<b>Unusual Hazards:</b>	If large quantities of cartoned towelettes are ignited, treat as petroleum solvent fire.

#### 6. ACCIDENTAL RELEASE MEASURES

No spill hazard with saturated towel package.

#### 7. HANDLING AND STORAGE

Keep containers and cartons containing saturated wipes tightly closed. Keep containers and cartons 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. Use of pre-saturated towel limits exposure. All wipes should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Respiratory Protection:</b>	Normal ventilation is adequate. Towelette limits solvent vapor exposure. 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.						
<b>Protective Gloves:</b>	For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.						
<b>Eye Protection:</b>	None necessary. Wipe package eliminates splash hazard. Do not allow wipe/towel to directly contact eyes.						
<b>Other Protective Equipment:</b>	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.						
<b>Exposure Limits and Recommendations:</b>	<table> <thead> <tr> <th><u>Chemical Component</u></th> <th><u>OSHA PEL</u></th> <th><u>ACGIH TLV</u></th> </tr> </thead> <tbody> <tr> <td colspan="3">500 ppm TLV is suggested by the manufacturer for Type HP™ Solvent. TLV values for components have not been determined by OSHA/ACGIH.</td> </tr> </tbody> </table>	<u>Chemical Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	500 ppm TLV is suggested by the manufacturer for Type HP™ Solvent. TLV values for components have not been determined by OSHA/ACGIH.		
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**9. PHYSICAL AND CHEMICAL PROPERTIES (bulk liquid)**

<b>Appearance:</b>	Clear, colorless liquid with a very light citrus scent.
<b>Odor Threshold:</b>	Not Available
<b>Vapor Density (Air = 1):</b>	Not Available
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	0.79
<b>Solubility in Water:</b>	Nil
<b>Boiling Point:</b>	IBP 185 °C
<b>Freezing Point:</b>	<-50 °C
<b>Evaporation Rate:</b>	<0.1 (n-butyl acetate = 1)
<b>Vapor Pressure:</b>	<1 mm Hg @ 20 °C
<b>Coefficient of Water/Oil Distribution:</b>	Not Available
<b>pH:</b>	Not Applicable
<b>Volatiles (Weight %):</b>	100%
<b>VOC Content:</b>	790 g/L

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Avoid heat, flame, sources of ignition.
<b>Materials to Avoid:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide, carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicity to Animals:</b>	Medium Aliphatic Petroleum Solvent	LD <sub>50</sub> (oral rat) >5000 mg/kg LD <sub>50</sub> (dermal rabbit) >2000 mg/kg
	Citrus Terpenes	LC <sub>50</sub> (inhl rat) >4.3mg/L, 4 hours LD <sub>50</sub> (oral rat) >5000 mg/kg LD <sub>50</sub> (dermal rabbit) 5000 mg/kg RD <sub>50</sub> 1000 ppm
<b>Chronic Exposure:</b>	Not Available.	
<b>Carcinogenic Status:</b>	This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.	
<b>Reproductive Toxicity:</b>	Not Available	
<b>Mutagenicity:</b>	Not Available	
<b>Teratogenicity:</b>	Not Available	
<b>Toxicologically Synergistic Products:</b>	Not Available	

## 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	No information available.
<b>Biodegradability:</b>	Expected to be biodegradable.
<b>Ecotoxicity:</b>	No information available.
<b>Aquatic Toxicity:</b>	May cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with National and Local Regulations.

## 14. TRANSPORTATION INFORMATION

<b>UN Number:</b>	Not Listed
<b>UN Proper Shipping Name:</b>	Not Applicable
<b>Class and Subsidiary Risk:</b>	Not Applicable
<b>Packing Group:</b>	Not Applicable
<b>TDG:</b>	Not Regulated
<b>ICAO/IATA-DGR:</b>	Not Regulated
<b>IMDG:</b>	Not Regulated
<b>ADR/RID:</b>	Not Regulated

**15. REGULATORY INFORMATION**

**USA Federal and State**

All components are listed on the TSCA inventory.

<b>Hazard Categories for SARA Section 311/312 Reporting</b>	<u>Acute</u> No	<u>Chronic</u> No	<u>Fire</u> Yes	<u>Pressure</u> No	<u>Reactive</u> No
<b><u>Components</u></b>	<b>CERCLA/SARA Sec 302 <u>Hazardous Substance RQ</u>    <u>EHS TPQ</u></b>		<b>SARA Sec. 313 <u>Toxic Release</u></b>		

Components are not affected by these Superfund regulations.

**European Union**

Product is classified as hazardous according to European Directives 88/379/EEC and 67/548/EEC and EU Regulation (EC) No 1272/2008.

- Risk Phrases:** R65: Harmful: may cause lung damage if swallowed
- Safety Phrases:** S2: Keep out of the reach of children  
 S23: Do not breathe vapor  
 S24: Avoid contact with skin  
 S62: If swallowed, do not induce vomiting: seek medical advice immediately
- Symbol:** Xn: Harmful

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. It does not contain Substances of Very High Concern (SVHC).

**Canada**

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

- WHMIS Classification:** B3
- Canadian DSL:** All ingredients listed.

**Australia**

All components are listed on the AICS.  
 Hazardous according to criteria of NOHSC Australia. Product classified as harmful (Xn).

- Contact Information:** ADAPT Australia Pty. Ltd.  
 11 - 19 Global Drive  
 Tullamarine Victoria 3043  
 Telephone Number. 03 9330 0666
- Emergency Telephone Number: 0421 277 889

## 16. OTHER INFORMATION

<b>NFPA Ratings:</b>	Health:	1
	Fire:	2
	Reactivity:	0

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

<b>Revision Date:</b>	May 13, 2010
<b>Revision Number:</b>	1
<b>Reviewed By:</b>	S. H. Dahlke

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.

HPWipe:MSDS