

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE AND PREPARATION

Supplier/Manufacturer:

American Polywater Corporation
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Stillwater, MN 55082 USA
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NL-3012CD Rotterdam
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Emergency Number: +1-651-430-2270

**Product Name: HotStick
Cleaner/Water Repellent Wipe
Type S**

Chemical Description: Silicone/Alcohol Solution

Product Use: Surface Treatment; Cleaner &
Water Repellent

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt</u>
Isopropanol	67-63-0	200-661-7	< 30 gm/towel (< 100%)
Polydimethylsiloxane	63148-62-9	--	< 8 gm/towel (< 25%)

This product contains no other reportable hazardous components under 29 CFR 1910.1200. This product contains no other reportable hazardous components under European Directives 91/55/EEC.

3. HAZARDS IDENTIFICATION

Emergency Overview:

Flammable. Keep away from fire and flame. Use with adequate ventilation. Do not ingest. 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.

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:

This product has moderate skin irritation potential. It may cause skin sensitization.

Inhalation (Breathing):

Concentrated solvent vapors may cause drowsiness and irritation. Prolonged exposure to excessively high vapor concentrations can result in central nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue).

Ingestion (Swallowing):

Maximum amount in a single saturated towel is less than 30 grams of solvent. Material has low level of oral toxicity. 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

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 unless directed to do so by medical personnel. Get medical attention if symptoms appear.

5. FIRE-FIGHTING MEASURES

Flash Point (bulk liquid):	63°F / 17°C (PMCC)
Flammable Limits (bulk liquid):	Not Determined
Autoignition Temperature:	Not Determined
Hazardous Decomposition and By-Products:	Carbon monoxide, carbon dioxide.
Extinguishing Media:	Water Spray, Carbon Dioxide, Dry Chemical or Foam.
Special Precautions:	Flammable. Towelettes will ignite. If burning, smother or isolate from other flammable materials.
Unusual Hazards:	Vapors may travel considerable distance to source of ignition and flash back. Vapors may cause a flash fire or ignite explosively.

6. ACCIDENTAL RELEASE MEASURES

No spill hazard with saturated towel package.

7. HANDLING AND STORAGE

Keep boxes containing solvent wipes closed. Keep towelettes cool and dry. Keep away from heat, sparks and flame. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. All towelettes should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection:	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.
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Protective Gloves:	For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.		
Eye Protection:	None necessary. Wipe package eliminates splash hazard. Do not allow wipe/towel to directly contact 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.		
Exposure Limits and Recommendations:	<u>Chemical Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
	Isopropanol	400 ppm	200 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES (bulk liquid)

Appearance:	Clear, colorless liquid; typical alcohol odor.
Odor Threshold:	22 ppm (isopropanol)
Vapor Density (Air = 1):	2.1
Specific Gravity (H₂O = 1):	0.79
Solubility in Water:	Dilutes
Boiling Point:	180 °F / 82 °C (isopropanol)
Freezing Point:	-130 °F / -90 °C (isopropanol)
Evaporation Rate:	1.7 (n-butyl acetate = 1)
Vapor Pressure:	33 mm Hg @ 20 °C
Coefficient of Water/Oil Distribution:	This product is equally soluble in oil and water.
pH:	Not Applicable
Volatiles (Weight %):	85%
VOC Content:	675 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Material can react violently with strong oxidizing agents.
Materials to Avoid:	Strong oxidizing agents.
Hazardous Decomposition and By-Products:	Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Toxicity to Animals:	Isopropanol	LD ₅₀ (oral rat) 5800 mg/kg LD ₅₀ (dermal rabbit) 7900 mg/kg LC ₅₀ (inhl rat) 12000, 8 hours
	Polydimethylsiloxane	LD ₅₀ (oral rat) >5000 mg/kg LD ₅₀ (dermal rat) 2008 mg/kg
Chronic Exposure:	Not Available	
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. ACGIH classifies isopropanol as Class A4, "not classifiable for human or animal" and IARC classifies isopropanol as Class 3, "not classifiable for human".	
Reproductive Toxicity:	Not classified as a reproductive system toxin.	
Mutagenicity:	Not classified as a mutagen.	
Teratogenicity:	Not classified as teratogenic or embryotoxic.	
Toxicologically Synergistic Products:	Not Available	

12. ECOLOGICAL INFORMATION

Mobility:	No information available.		
Bioaccumulation:	No information available.		
Ecotoxicity:	No information available.		
Aquatic Toxicity:	Isopropanol:	96 h LC ₅₀ Fathead Minnow	> 1000 µl/l
		48 h LC ₅₀ Golden Orfe	8970 - 9280 mg/l
		96 h LC ₅₀ Daphnid	> 1000 µl/l

13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with National and Local Regulations.

14. TRANSPORTATION INFORMATION

US DOT Domestic Ground Transportation:	Not Regulated (See Special Provision 47)
UN Number:	UN 3175
UN Proper Shipping Name:	Solids Containing Flammable Liquid, N.O.S., (Contains: Isopropanol Solution)
Class:	Class 4.1
Packing Group:	II
ICAO/IATA-DGR:	Not Regulated (See Special Provision A46)
IMDG:	Not Regulated (See Special Provision 216)

15. REGULATORY INFORMATION**USA Federal and State**

All components are listed on the TSCA inventory.

Hazard Categories for SARA Section 311/312 Reporting	<u>Acute</u> Yes	<u>Chronic</u> No	<u>Fire</u> Yes	<u>Pressure</u> No	<u>Reactive</u> No
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<u>Components</u>	CERCLA/SARA Sec 302 Hazardous Substance RQ	EHS TPQ	SARA Sec. 313 Toxic Release
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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:	R11: Highly flammable R36: Irritating to eyes
Safety Phrases:	S16: Keep away from sources of ignition – No smoking S24/25: Avoid contact with skin and eyes S26: In case of eye contact, rinse with water and seek medical advice
Symbol:	F: Highly flammable Xi: Irritant

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:	B2
Canadian DSL:	All ingredients listed.

Australia

All components are listed on the AICS.
Hazardous according to criteria of NOHSC Australia.

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

NFPA Ratings:	Health:	1
	Fire:	3
	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.

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Revision Number: 2
Reviewed By: 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.

S1Wipe:MSDS