

# SAFETY DATA SHEET

## 1. Identification of the substance/mixture and of the company

### 1.1 Product identifier

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

Product ID numbers: S-1, S-1-50

### 1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: Surface treatment, cleaner & water repellent

List of advices against: Not applicable.

### 1.3 Details of the supplier of the safety data sheet

#### Supplier/Manufacturer:

**Polywater Europe BV**  
Zuidhaven 9-11 Unit B2  
4761 CR Zevenbergen  
Netherlands  
Tel: +31 (0)10 2330578  
Email: sds@polywater.com

**American Polywater Corporation**  
11222 - 60th Street North  
Stillwater, MN 55082 USA  
Tel: 1-651-430-2270  
Email: sds@polywater.com

#### Local Contact Information

### 1.4 Emergency telephone numbers

INFOTRAC: 1-800-535-5053 (USA) 1-352-323-3500 (INT'L)

National Poison Information Centre (NVIC): +31(0)30 274 8888  
(Professional use for acute poisoning only, Netherlands.)  
Insert local poison control information here

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

Classification according to EU Regulation (EC) No 1272/2008 and Australia WHS Regulation (2011).

Flam Liq 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

### 2.2 Label elements

Contains: Isopropanol



#### Pictograms:

Signal word: Danger

#### Hazard Statements:

H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

#### Precautionary Statements:

P210	Keep away from sparks, flames and hot surfaces. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical attention.
P370 + P378	In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction.

**2.3 Other hazards:** No information available.

### 3. Composition/Information on Ingredients

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt. %</u>	<u>GHS/CLP Classification</u>
Isopropanol	67-63-0	200-661-7	80 – 90 < 10 grams/towel	Flam Liq 2 H225; Eye Irrit. 2 H319; STOT SE 3; H336

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

### 4. First Aid Measures

#### 4.1 Description of 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 unless directed to do so by medical personnel. Get medical attention if symptoms appear.

#### 4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 for more information.

#### 4.3 Indication of immediate medical attention and special treatment needed.

Causes serious eye irritation.

### 5. Firefighting Measures

#### 5.1 Extinguishing media:

Carbon dioxide, water fog, dry chemical or foam.

#### 5.2 Special hazards arising from the substance or mixture

##### Hazardous decomposition and by-products:

Burning generates carbon monoxide, carbon dioxide.

#### 5.3 Advice for firefighters

Wear appropriate, protective clothing, including self-contained, positive pressure or pressure-demand breathing apparatus. Sealed container can build up pressure when exposed to high heat. Use water spray to cool fire exposed containers.

### 6. Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Limited spill hazard with saturated towel package. For small spills: normal antistatic work clothes are usually adequate.

#### 6.2 Environmental precautions:

Avoid release to the environment.

**6.3 Methods materials for containment and cleaning up:**

Collect towel and absorb any excess material with sand or absorbents.

**6.4 Reference to other sections:**

Refer to Sections 4, 5, 8, and 13 for more information.

**7. Handling and Storage**

**7.1 Precautions for safe handling**

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing vapors or spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use only outdoors or in a well-ventilated area. For industrial or professional use only.

**7.2 Conditions for safe storage, including incompatibilities**

Store in a well-ventilated place. Keep cool. Store away from acids and oxidizing agents.

**7.3 Specific end uses**

See technical data sheet on this product for further information.

**8. Exposure Controls / Personal Protection**

**8.1 Control parameters**

**Exposure limits and recommendations:**

**Isopropanol, 2-propanol (67-63-0)**

Country/Source	Long-term exposure limit – 8 hr TWA	Short-term exposure limit – 15 min
Norway*, OEL	100 ppm (245 mg/m <sup>3</sup> )	--
UK, EH40/2005 WEL	400 ppm	1250 mg/m <sup>3</sup>
Germany, AGS OEL	200 ppm	--
Denmark, WEA 2007	200 ppm	--
Finland Julkaisuja, 2007	200 ppm	250 ppm
France, INRS 2008	400 ppm	980 mg/m <sup>3</sup>
Austria, GKV 2007	200 ppm	2,000 mg/m <sup>3</sup>
Sweden AFS 2005	150 ppm	600 mg/m <sup>3</sup>
Switzerland, SuvaPro 2009	200 ppm	1,000 mg/m <sup>3</sup>
Belgium, Official Gazette 2009	200 ppm	1,000 mg/m <sup>3</sup>
Spain, INSHT 2011	200 ppm	1,000 mg/m <sup>3</sup>
US, OSHA PEL	400 ppm	--

\*Norwegian regulations on Measures and Limit Values for Physical and Chemical Factors in the Work Environment and Infection Risk Group for Biological Agents 2009

**8.2 Exposure controls**

**Respiratory protection:**

Normal ventilation is adequate. Saturated towel 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 or CE approved) with particulate pre-filter, P100 or AP2.

**Protective gloves:**

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

Suggested Material: Nitrile Rubber

Suggested Thickness: For short term contact (<15 minutes), splashes use 0.2 mm. For full contact use 0.4 mm

Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance

level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.

**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.

## 9. Physical and Chemical

### 9.1 Information of basic physical and chemical properties (bulk liquid)

<b>Appearance:</b>	Clear, colorless liquid; typical alcohol odor.
<b>Odor threshold:</b>	22 ppm (isopropanol)
<b>pH:</b>	Does not apply
<b>Freezing point:</b>	-90°C (isopropanol)
<b>Boiling point:</b>	82°C (isopropanol)
<b>Flash point:</b>	13°C (TCC)
<b>Evaporation rate:</b>	1,7 (n-butyl acetate = 1), isopropanol
<b>Flammability (solid, gas):</b>	Not applicable to liquids
<b>Upper/lower flammability or explosive limits:</b>	<b>LEL:</b> 2% (isopropanol) <b>UEL:</b> 12,7% (isopropanol)
<b>Vapor pressure:</b>	4,4 kPa @20°C (isopropanol)
<b>Vapor density (Air = 1):</b>	2,1 (Air = 1)
<b>Specific gravity (H<sub>2</sub>O = 1):</b>	0,79
<b>Solubility in water:</b>	Dilutes
<b>Coefficient of Water/Oil Distribution:</b>	0,1 This product is equally soluble in oil and water.
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available

### 9.2 Other Information

<b>Volatiles (Weight %):</b>	85%
<b>VOC Content:</b>	675 g/l

## 10. Stability and Reactivity

### 10.1 Reactivity:

See remaining headings in Section 10.

### 10.2 Chemical stability:

Stable

### 10.3 Possibility of hazardous reactions:

None known.

### 10.4 Conditions to avoid:

Avoid heat, flame, and sparks.

### 10.5 Incompatible materials :

Strong oxidizing agents.

### 10.6 Hazardous decomposition products:

Carbon dioxide, carbon monoxide.

## 11. Toxicological Information

**11.1 Information on toxicological effects:**

**Acute toxicity**

**Eye contact:**

Direct eye contact 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 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).

**Ingestion:**

Ingestion of large quantities may cause irritation of the digestive tract, nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue).

**Toxicity to Animals:**

Isopropanol	LD <sub>50</sub> (oral rat) 5000 mg/kg
	LD <sub>50</sub> (dermal rabbit) 12800 mg/kg
	LC <sub>50</sub> (inhl rat) 12000, 8 hours

**Chronic Exposure:**

**Reproductive Toxicity:** Not classified as a reproductive system toxin.

**Mutagenicity:** Not classified as a mutagen.

**Teratogenicity:** Not classified as teratogenic or embryotoxic.

**Specific Target Organ Toxicity (STOT)** No end point data.

**Toxicologically Synergistic Products:** 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.

**12. Ecological Information**

**12.1 Toxicity:**

**Ecotoxicity:** No information available.

**Aquatic Toxicity (Isopropanol):**

**Fish (acute)** 96 h LC<sub>50</sub> Fathead Minnow > 1000 µl/l  
48 h LC<sub>50</sub> Golden Orfe 8970 - 9280 mg/l

**Aquatic crustacea (acute)** 96 h LC<sub>50</sub> Daphnid > 1000 µl/l

**12.2 Persistence and degradability:** No information available

**12.3 Bioaccumulation potential:** No information available

**12.4 Mobility in soil:** No information available

**12.5 Results of PBT and vPvB Assessment:** This product is not, nor does it contain a substance that is a PBT or vPvB.

**12.6 Other adverse effects:** None known.

**13. Disposal Considerations**

Dispose of product in accordance with National and Local Regulations.

**14. Transport Information**

**UN Number:** 3175  
**UN Proper shipping name:** Solids Containing Flammable Liquid, N.O.S., (Contains: Isopropanol)  
**Transport hazard class(es):** Class 4.1  
**Packing group:** II  
**Environmental hazards:** None known  
**Special precautions:** None known  
**ICAO/IATA-DGR:** Not Regulated (See Special Provision A46)  
**IMDG:** Not Regulated (See Special Provision 216)

**15. Regulatory Information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****European Union**

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Contains no substance on the REACH candidate list  $\geq 0.1\%$  SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Contains no REACH substances with Annex XVII restrictions.

**Australia**

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

**USA Federal and State**

All components are listed on the TSCA inventory.

**Canada**

All components are listed on the DSL inventory.  
This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

**15.2 Chemical Safety Assessment**

No chemical safety assessment has been carried out for the mixture by the supplier.

**16. Other Information****Abbreviations and acronyms:**

OSHA = Occupational Safety and Health Administration  
 CLP = Classification, Labeling and Packaging Regulation  
 STOT = Specific Target Organ Toxicity  
 LD<sub>50</sub> = Median Lethal Dose  
 DNEL = Derived No Effect Level  
 ACGIH = American Conference of Governmental Industrial Hygienists  
 TSCA = Toxic Substances Control Act (USA)  
 DSL = Domestic Substances List (Canada)  
 AICS = Australian Inventory of Chemical Substances

**Mixture classification according to Regulation (EC) No 1272/2008:**

H225 Highly flammable liquid and vapor  
 H319 Causes serious eye irritation  
 H336 May cause drowsiness or dizziness

**Classification Procedure**

Calculation method.  
 Calculation method.  
 Calculation method.

**Revision Date:** 3 August 2017

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

**Revision Date:** 3 August 2017

**Revision Number:** 7

**Supersedes:** 16 September 2016

**Locale:**

**Indication of Changes:** Section 1, 2, updated.

Written in accordance with the provisions of REACH Annex II (EU No 453/2010) and Australia WHS Regulation (2011). (GHS format)

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.