SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: Polywater® Solar Panel Wash

Product ID numbers: SPW-35HS, SPW-35LF, SPW-128, SPW-640 SPW-XXX (Where XXX is the package code.)

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: Water-based cleaning solution
List of advices against: Not applicable.

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer:

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

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

1.4 Emergency telephone numbers

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

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).

Eye Irrit. 2 H320

2.2 Label elements

Contains: Ethoxylated alcohols
Pictograms: None required.
Signal word: Warning
Hazard Statements:

H320 Causes eye irritation

Precautionary Statements:
P305 + P351 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P338
P337 + P313 If eye irritation persists: get medical attention.

2.3 Other hazards:

No information available.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>EC #</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethoxylated Alcohols</td>
<td>68439-46-3</td>
<td>--</td>
<td>&lt; 3</td>
</tr>
</tbody>
</table>

4. First Aid Measures

4.1 Description of first aid measures
**Eye Contact:** Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.

**Skin Contact:** If skin becomes irritated, wash area thoroughly with soap and water. If irritation continues, seek medical attention.

**Inhalation (Breathing):** No first aid expected to be required. Not an inhalation hazard.

**Ingestion (Swallowing):** No first aid expected to be required. If difficulties arise, contact a physician.

4.2 Most important symptoms and effects, both acute and delayed
Aside from information above, no additional symptoms and effects are anticipated.

4.3 Indication of immediate medical attention and special treatment needed.
No information available.

5. **Firefighting Measures**

5.1 Extinguishing media:
Does not apply.

5.2 Special hazards arising from the substance or mixture
Hazardous decomposition and by-products:
High temperature steam, potentially carbon monoxide and carbon dioxide.

5.3 Advice for firefighters
Sealed container can build up pressure when exposed to high heat. Cool containers with water.

6. **Accidental Release Measures**

6.1 Personal precautions, protective equipment and emergency procedures:
Wear eye protection.

6.2 Environmental precautions:
Contain spill to prevent migration.

6.3 Methods materials for containment and cleaning up:
Use water to dilute and/or wash away spills.

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
Avoid spills and clean them up immediately when they occur. For industrial or professional use only.

7.2 Conditions for safe storage, including incompatibilities
Keep product containers closed when not in use.

7.3 Specific end uses
See product flyer for further information.

8. **Exposure Controls / Personal Protection**

8.1 Control parameters
Exposure limits and recommendations:
None

8.2 Exposure controls
Respiratory protection:
Normal ventilation is adequate.
Protective gloves:
For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.

**Eye protection:**
Safety glasses recommended.

### 9. Physical and Chemical

#### 9.1 Information of basic physical and chemical properties

- **Appearance:** Clear liquid.
- **Odor threshold:** Not Available
- **pH:** 6.5 to 7.5
- **Freezing point:** ~ 32°F (0°C)
- **Boiling point:** ~ 212°F (100°C)
- **Flash point:** None
- **Evaporation rate:** Not available
- **Flammability (solid, gas):** Product is not flammable
- **Upper/lower flammability or explosive limits:** Does not apply
- **Vapor pressure:** 18mm Hg @ 72°F (22°C)
- **Vapor density (Air = 1):** 0.9 – 1.1
- **Specific gravity (H₂O = 1):** 1.0
- **Solubility in water:** Complete
- **Partition coefficient: n-octanol/water:** Not available
- **Auto-ignition temperature:** Does not apply
- **Decomposition temperature:** Not available

#### 9.2 Other Information

- **Volatile (Weight %):** 95%
- **VOC Content:** 0 g/l

### 10. Stability and Reactivity

#### 10.1 Reactivity:
No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability:
Stable

#### 10.3 Possibility of hazardous reactions:
None known.

#### 10.4 Conditions to avoid:
None known.

#### 10.5 Incompatible materials:
Avoid materials that react with water.

#### 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.

**Skin contact:**
This product has low skin irritation potential. There is no dermal toxicity hazard.

**Irritation and Sensitization Potential:**
This product has low skin irritation potential. It is not a sensitizer.

**Inhalation (Breathing):**
No inhalation hazard expected with water vapor.

**Ingestion:**
Very low ingestion hazard.

**Aspiration hazard**
Not an aspiration hazard.

**Chronic Exposure:**
- **Reproductive Toxicity:** Not Available
- **Mutagenicity:** Not Available
- **Teratogenicity:** Not Available
- **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 Ecotoxicity:** No information available.
- **12.2 Persistence and degradability:** Expected to be biodegradable.
- **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:** Not Listed
- **UN Proper shipping name:** Not Applicable
- **Transport hazard class(es):** Not Applicable
- **Packing group:** Not Applicable
- **Environmental hazards:** None known
- **Special precautions:** None known
- **TDG:** Not Regulated
- **ICAO/IATA-DGR:** Not Regulated
- **IMDG:** Not Regulated
- **ADR/RID:** Not Regulated

### 15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
USA Federal and State
All components are listed on the TSCA inventory.

<table>
<thead>
<tr>
<th>Hazard Categories for SARA Section 311/312 Reporting</th>
<th>Acute</th>
<th>Chronic</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactive</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERCLA/SARA Sec 302</td>
<td>Hazardous Substance RQ</td>
<td>EHS TPQ</td>
<td>SARA Sec. 313</td>
<td>Toxic Release</td>
<td></td>
</tr>
<tr>
<td>Components</td>
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Components are not affected by these Superfund regulations.

NFPA Ratings:
Health: 0
Fire: 0
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.

California Proposition 65
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm or has been assessed to be below OEHHA Safe Harbor exposure levels required for labeling.

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 ≥ 0.1% SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Contains no REACH substances with Annex XVII restrictions.

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.

Australia
All components are listed on the AICS.
Not considered hazardous according to criteria of NOHSC Australia.

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
LD₅₀ = 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

Hazard Statements:
H320 Causes eye irritation

Revision Date: September 24, 2018
Revision Number: 6
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.