



# Safety Data Sheet

Arctic Kool

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

- 1.1 Product Identifier**  
Trade Name Arctic Kool  
Product Number 007025, 007026, 007027, 007028
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**  
Product Use: Welding Process Aid
- 1.3 Details of the Supplier of the Safety Data Sheet**  
Manufacturer: Weld-Aid Products  
14650 Dequindre  
Detroit, Michigan  
Information Phone Number: +1 (313) 883-6977  
+1 (313) 883-4930  
E-mail info@weldaid.com
- 1.4 Emergency Telephone Number**  
Emergency Spill Information +1 (800) 255-3924

SDS Date of Preparation: November 25, 2014

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

CLP/GHS Classification (1272/2008): Not classified as hazardous

EU Classification (67/548/EEC): Not classified as dangerous

2.2 Label Elements: None required

2.3 Other Hazards: None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances:

Chemical Name	CAS# /	EINECS#	EU Classification (67/548/EEC)	GHS Classification Regulation (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Not classified as dangerous	Not Hazardous	>80%
Polymeric Glycol	Proprietary	Not Assigned	Not classified as dangerous	Not Hazardous	<20%

See Section 16 for further information on EU and GHS Classification.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**Eye:** Rinse thoroughly with water, holding the eye lids open to be sure the material is washed out. Get medical attention if irritation persists.

**Skin:** No first aid should be required. If skin irritation develops, discontinue use and seek medical attention.

**Inhalation:** No first aid should be needed. If irritation develops, move to fresh air. Seek medical attention if irritation or other symptoms persist.

**Ingestion:** Rinse mouth with water. Seek medical attention.

**4.2 Most Important symptoms and effects, both acute and delayed:** May cause slight eye irritation with redness and tearing..

**4.3 Indication of any immediate medical attention and special treatment needed:** None required.

# Safety Data Sheet

Arctic Kool

## SECTION 5: FIRE FIGHTING MEASURES

- 5.1 Extinguishing Media:**  
Use any media that is suitable for the surrounding fire.
- 5.2 Special Hazards Arising from the Substance or Mixture**  
**Unusual Fire and Explosion Hazards:** None. This product is not combustible.  
**Hazardous Decomposition Products:** Combustion of the residue after the water has evaporated will release oxides of carbon.
- 5.3 Advice for Fire-Fighters:**  
Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces. Cool fire exposed containers with water.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**  
Wear appropriate eye protection and gloves.
- 6.2 Environmental Precautions:**  
Report spill as required by local and federal regulations.
- 6.3 Methods and Material for Containment and Cleaning Up:**  
Contain and collect using an absorbent material and place in an appropriate container for disposal.
- 6.4 Reference to Other Sections:**  
Refer to Section 8 for protective equipment and Section 15 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:**  
Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash thoroughly after handling.
- 7.2 Conditions for Safe Storage, Including any Incompatibilities**  
Store in a dry location. Avoid temperature extremes.
- 7.3 Specific end use(s):**  
Welding applications.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control Parameters:**

Chemical Name	Exposure Limits
Water	None Established
Polymeric Glycol	10 mg/m3 TWA (total particulate) Manufacturer Recommended.

- 8.2 Exposure Controls:**  
**Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.  
**Respiratory Protection:** None required for normal use. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.  
**Skin Protection:** Impervious gloves are recommended if needed to avoid prolonged or repeated contact. Suggested materials for protective gloves include: Rubber, Neoprene or Nitrile.  
**Eye Protection:** Chemical safety goggles recommended if splashing is possible in use. Follow facility requirements.  
**Other:** Impervious clothing as needed to prevent prolonged skin contact..

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

# Safety Data Sheet

Arctic Kool

## 9.1 Information on basic Physical and Chemical Properties:

<b>Appearance:</b> Blue liquid	<b>Vapor Density:</b> same as water
<b>Odor:</b> Mild odor.	<b>Specific Gravity:</b> 1.0
<b>Odor Threshold:</b> No data available	<b>Water Solubility:</b> 100%
<b>pH:</b> Not available	<b>Octanol/Water Partition Coefficient:</b> Not available
<b>Melting Point/Freezing Point:</b> Not applicable	<b>Autoignition Temperature:</b> None
<b>Boiling Point:</b> 212°F (100°C)	<b>Decomposition Temperature:</b> None
<b>Flash Point:</b> None	<b>Viscosity:</b> Not applicable
<b>Evaporation Rate:</b> Not available	<b>Explosion Properties:</b> Not explosive
<b>Flammable Limits:</b> None	<b>Oxidizing Properties:</b> Not oxidizing
<b>Vapor Pressure:</b> 17.5 mm Hg @ 20°C (water)	

## 9.2 Other Information:

None

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

Not reactive under normal conditions of use.

### 10.2 Chemical Stability:

Stable under normal storage and handling conditions.

### 10.3 Possibility of Hazardous Reactions:

None known.

### 10.4 Conditions to Avoid:

Avoid temperature extremes (excessive heat or freezing) to protect product quality.

### 10.5 Incompatible Materials:

Avoid contact with oxidizing agents, acids and alkalis.

### 10.6 Hazardous Decomposition Products:

Excessive heating can result in decomposition of the polymer generating aldehydes, alcohols, ethers, carbon oxides, carboxylic acids.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

**Eye:** May cause slight irritation with redness and tearing. Corneal injury is unlikely.

**Skin:** Prolonged or repeated exposure may cause redness, irritation and dryness.

**Inhalation:** None known.

**Ingestion:** Very low toxicity if swallowed. No adverse effects are expected from swallowing small amounts..

### Acute Toxicity Values:

Polymeric glycol: Oral rat LD50 32,500 mg/kg; Skin rabbit LD50 >20 g/kg; Inhalation rat LC50 >13 mg/L/8 hr (maximum attainable concentration).

**Irritation:** No data available. Product is expected to cause mild eye and skin irritation.

**Corrosivity:** This is not a corrosive product.

**Sensitization:** Polymeric glycol did not cause skin reactions when tested in humans.

**Repeat Dose Toxicity:** No data available.

**Carcinogen Status:** None of the components are listed as a carcinogen by IARC, NTP, ACGIH, OSHA or EU Substances

# Safety Data Sheet

## Arctic Kool

Directive. Polymeric glycol did not cause cancer in laboratory animals.

**Germ Cell Mutagenicity:** In-vitro and in-vivo studies were negative for polymeric glycol.

**Toxicity for Reproduction:** Polymeric glycol did not cause birth defects or interfere with reproduction in laboratories.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity:

Practically non-toxic to aquatic organisms.

Polymeric glycol: LC50 fathead minnow 87,209 mg/L/96 hr; LC50 daphnia magna 53,484 mg/L/48 hr.

#### 12.2 Persistence and Degradability:

Polymeric glycol is expected to readily biodegrade. BOD 20 40.2-70%.

#### 12.3 Bioaccumulative Potential::

Not expected to bioaccumulate.

#### 12.4 Mobility in Soil:

No data available.

#### 12.5 Results of PBT and vPvB Assessment:

Not required.

#### 12.6 Other Adverse Effects:

None known.

### SECTION 13: DISPOSAL INFORMATION

#### 13.1 Waste Treatment Methods

Dispose in accordance with local and national environmental regulations.

### SECTION 14: TRANSPORT INFORMATION

	41.1 UN Number	41.2 UN Proper Shipping Name	14.3 Transport Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not Regulated			
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			

#### 14.6 Special Precautions for User:

None

#### 14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable

### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

##### U.S. REGULATIONS

**OSHA Hazard Classification:** Not Hazardous

**CERCLA:** This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**EPA SARA 302:** This product does not contain chemicals regulated under SARA Section 302.

**EPA SARA 311 Hazard Classification:** Not Hazardous

# Safety Data Sheet

Arctic Kool

**EPA SARA 313:** This product contains the following chemicals that are regulated under SARA Title III, section 313:  
None

**California Proposition 65:** This product contains the following chemicals which are known to the State of California to cause cancer, reproductive toxicity or birth defects: None

## **INTERNATIONAL REGULATIONS**

**EPA TSCA Inventory:** All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

**European Inventory of Existing Commercial Chemical Substances (EINECS):** All of the ingredients are listed on the EINECS inventory.

**Canadian Environmental Protection Act:** All of the ingredients are listed on the Canadian Domestic Substances List.(DSL)

**WHMIS Classification:** Not a controlled product

**15.2 Chemical Safety Assessment:**  
Not required

<b>SECTION 16: OTHER INFORMATION</b>
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**SDS Revision History:**

10/20/11: Converted US SDS to EU REACH SDS  
01/19/12: Update to international chemical inventory status.

**GHS Phrases for Reference (See Section 2 and 3):**  
None

**EU Classes and Risk Phrases for Reference (See Sections 2 and 3):**  
None

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