



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.

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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/m ³ 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

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9.1 Information on basic Physical and Chemical Properties:

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

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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

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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

SECTION 16: OTHER INFORMATION

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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