



Safety Data Sheet

Artic Kool

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

- 1.1 Product Identifier**
Trade Name: Artic Cool
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: June 16, 2017

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

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

OSHA Hazcom 2012/WHMIS 2015 Classification: Not classified as hazardous

2.2 Label Elements: None required

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures:

Chemical Name	CAS# /	EINECS#	GHS Classification Regulation (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Not Hazardous	>85%
Polymeric Glycol	Proprietary	Not Assigned	Not Hazardous	<20%

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

Artic 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/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.

Safety Data Sheet

Artic Kool

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Clear Amber Gel	Vapor Density: same as water
Odor: No appreciable odor.	Specific Gravity: 1.0 @ 25°C
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: 1 (ether =1)	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.

Carcinogenicity: None of the components are listed as a carcinogen by IARC, NTP, ACGIH, OSHA or EU Substances Directive. Polymeric glycol did not cause cancer in laboratory animals.

Safety Data Sheet

Artic Kool

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.

Specific Target Organ Toxicity:

Single Exposure: No adverse effects expected.

Repeated Exposure: No adverse effects expected

Aspiration Toxicity: Components are not aspiration hazards.

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:

Components do not meet the criteria of PBT or vPvB.

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:

International Inventories:

US EPA TSCA Inventory: All of the components are listed on the TSCA inventory.

European Union: All of the components of this product are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

Safety Data Sheet

Artic Kool

Australia: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

China: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

Korea: All of the components of this product are listed on the Korean Existing Chemical List (KECL).

U.S. REGULATIONS

OSHA Hazard Classification: Refer to Section 2 for OSHA Hazard Classification

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: Refer to Section 2 for OSHA Hazard Classification

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

Other Regulations: This product is classified and labeled in accordance with EC CLP, US OSHA Hazcom 2012 and Canada WHMIS 2015 following the mixture rules. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 (REACH)

15.2 Chemical Safety Assessment:
Not required

SECTION 16: OTHER INFORMATION

SDS Revision History:

10/20/11: Converted US SDS to EU REACH SDS

6/16/2017: Update format to REACH

GHS Phrases for Reference (See Section 3):

None

This SDS conforms to Regulation (EU) No. 1907/2006 and 2015/830, US OSHA Hazcom 2012 (29 CFR1910.1200) and Canada WHMIS 2015.

This sheet was compiled from the latest available information and reliable sources. Procedures are based on accepted usage. They are not necessarily all-inclusive and may vary in every circumstance. Weld-Aid provides no warranties either expressed or implied and assumes no responsibility for the accuracy or completeness of the data herein.