

**Anders Products**

**SAFETY DATA SHEET**  
**Regulation (EC) No 1907/2008 (REACH)**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY/UNDERTAKING**

**1.1 Product Identifier**

**Trade Name** Anders Products Wire Glue

**SDS Date** April 16, 2019

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

**Product Use:** Electrically Conductive Carbon Adhesive

**Uses Advised Against:** None Known

**1.3 Details of the Supplier of the Substance or Mixture**

**Manufacturer:** IDOLON TECHNOLOGIES  
2 Connector Road  
Andover, MA 01810  
(978) 409-2765

**1.4 Emergency Telephone Number**

**Emergency Spill Information:** +1 (781) 409-2765

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the Substance or Mixture**

<b>Physical</b>	<b>Health</b>	<b>Environmental</b>
Not Hazardous	Not Hazardous	Not Hazardous

**2.2 Label Elements**

**Not hazardous in accordance with the EU CLP (1272/2008)**

**2.3 Other Hazards:** None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

Chemical Name	CAS Number / EINECS Number / REACH Reg. Number	% (w/w)	CLP/GHS Classification (1272/2008)
PVA – polyvinyl acetate	CAS 9003-20-7 / EINECS 231-791-2 / REACH Reg. Number Exempt	54	Not Hazardous
Graphite	CAS 7782-42-5 / EINECS Number 231-955-3 / REACH Reg. Number Exempt	13	Not Hazardous
Carbon Black	CAS 1333-86-4 / EINECS Number 215-609-9 / REACH Reg Number 01-2119384822-32	3	Not Hazardous
H <sub>2</sub> O	CAS not applicable EINECS Number not applicable / REACH Reg Number not applicable	30	Not Hazardous

See Section 16 for full text of GHS Classifications

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of First Aid Measures

**First Aid:**

**Inhalation:** Remove to fresh air.

**Skin Contact:** In case of irritation, flush with water.

**Eye Contact:** Immediately flush eyes with plenty of water. Call a physician if irritation persists.

**Ingestion:** If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

**4.2 Most Important symptoms and effects, both acute and delayed:**

Inhalation: Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may cause irritation of nose, throat and lungs. Skin

Contact: May cause irritation on prolonged or repeated contact. Eye Contact:

Immediately flush eyes with plenty of water. Call a physician if irritation persists.

Ingestion: Not expected to be harmful under normal conditions of use

**4.3 Indication of any immediate medical attention and special treatment needed:**

Immediate medical attention is not generally required

**SECTION 5: FIRE FIGHTING MEASURES**

**5.1 Extinguishing Media:** This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**5.2 Special Hazards:** Will not burn unless water has evaporated. Dried material may burn. Combustion of Anders Products Wire Glue may cause a release of carbon monoxide and carbon dioxide.

**5.3 Advice for Fire Fighters: Wear suitable protective equipment. Wear self-contained breathing apparatus.**

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions:** Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2 Environmental Precautions:** Prevent entry into natural bodies of water.

**6.3 Methods and Material for Containment and Cleaning Up:** Soak up with absorbent material and remove to a chemical disposal area.

**6.4 Reference to Other Sections:**

Refer to Section 8 for personal protective equipment and Section 13 for disposal information

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for Safe Handling:** Handle in accordance with good industrial hygiene and safety practices. Always use appropriate Personal Protective Equipment (PPE). Avoid prolonged or repeated breathing of vapor. Avoid prolonged or repeated contact with skin and clothing. Avoid prolonged or repeated contact with eyes.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, dry area. Keep containers tightly closed.

### 7.3 Specific End Uses:

**Industrial Uses:** Electrically Conductive Carbon Adhesive

**Professional Uses:** Electrically Conductive Carbon Adhesive

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters:

Chemical Name	FRENCH IOEL	EU IOEL	GERMAN OEL	UK OEL
Polyvinyl Chloride PVA	None Established	None Established	None Established	None Established
Carbon Black	None Established	None Established	None Established	None Established
Graphite	None Established	None Established	None Established	None Established

### 8.2 Exposure Controls:

**Appropriate Engineering Controls:** If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

#### Personal Protection Measures

**Respiratory protection:** Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection.

**Skin Protection:** Wear impervious gloves as required to prevent skin contact.

**Eye Protection:** Use goggles if contact is likely.

## SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

### 9.1 Information on basic Physical and Chemical Properties

**Appearance (physical state, color, etc.):** Black liquid

**Odor:** Mild acetic aroma

<b>Odor Threshold:</b> Not available	<b>pH:</b> @25 C 5
<b>Melting Point/freezing Point:</b> 0 deg C	<b>Boiling Point:</b> 100 deg C
<b>Flash Point:</b> Not applicable	<b>Evaporation Rate (Butyl Acetate=1):</b> <1
<b>Flammability (solid, gas):</b> Not applicable	<b>VOC:</b> Not applicable
<b>Flammable Limits: LEL:</b> Not applicable	<b>UEL:</b> Not applicable

<b>Vapor Pressure: mm Hg @ 20 C 17.5</b>	<b>Vapor Density: (Air=1) &lt; 1</b>
<b>Relative Density: 0.6 grams per cubic centimeter</b>	<b>Solubility(ies): In Water Dispersible</b>
<b>Partition coefficient N-octanol/water: Not applicable</b>	<b>Autoignition Temperature: Not available</b>
<b>Decomposition temperature: Not applicable</b>	<b>Viscosity: Not determined</b>
<b>Explosive Properties: Not applicable</b>	<b>Oxidizing Properties: Not oxidizing</b>

**9.2 Other Information:** None available

## SECTION 10: STABILITY and REACTIVITY

**10.1 Reactivity:** Product is stable. Not reactive under normal conditions of use.

**10.2 Chemical Stability:** Stable.

**10.3 Possibility of Hazardous Reactions:** None known

**10.4 Conditions to Avoid:** Exposure to heat, flame and incompatibles.

**10.5 Incompatible Materials:**

Strong acids and alkaline materials.

Strong oxidizing and reducing agents.

**10.6 Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon oxides form under condition of fire.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on Toxicological Effects:**

**Potential Health Effects:**

**Inhalation:** Not toxic by inhalation.

**Ingestion:** Not toxic orally.

**Skin contact:** Prolonged contact is essentially nonirritating to skin.

**Eye contact:** May cause irritation on prolonged or repeated contact.

**Chronic Effects:** None known.

**Sensitization:** Components are not known to be sensitizers.

**Germ Cell Mutagenicity:** No data available.

**Skin Corrosion/irritation:** None of the components have been shown to cause skin irritation or corrosion.

**Eye damage/irritation:** None of the components have been shown to cause eye irritation or damage.

**Respiratory sensitization:** No data available.

**Skin sensitization:** No data available.

**Carcinogenicity:** None of the components of this product are listed as carcinogens by IARC or the EU CLP

**Reproductive Toxicity:** No Data Available.

**Specific Target Organ Toxicity:**

**Single Exposure:** No data available

**Repeat Exposure:** No data available

**Acute Toxicity Values:** No data available

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment. However, contamination of aquatic and terrestrial environments should be avoided.

**12.1 Toxicity:** No further relevant information available.

**12.2 Persistence and degradability:** No further relevant information available.

**12.3 Bioaccumulative Potential:** No further relevant information available.

**12.4 Mobility in Soil:** No further relevant information available.

**12.5 result of PBT and vPvB assessment:**

**PVT:** Not applicable

**VPvB:** Not applicable

**12.6 Other Adverse Effects:** Water Hazard Class I (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste Treatment Methods:** Recover free liquid. Absorb residue and dispose of accordance with all local, state and federal requirements. No specific disposal method is recommended. It is the responsibility of the user, at the time of disposal, to determine whether the product meets the criteria for hazardous waste.

## SECTION 14: TRANSPORTATION INFORMATION

**General.** This material is not covered by international regulation on the transport of dangerous goods. (IMDG, IATA, ADR/RID).

Not regulated for transport by International Air Transport Association (IATA).

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not Regulated			
Canadian TDG		Not Regulated			
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			
IATA/ICAO		Not Regulated			

**14.6 Special Precautions for User:** None Known

**14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code:**  
Not applicable – product is transported only in packaged form

## SECTION 15: REGULATORY INFORMATION

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

**EU Regulations:**

**RoHS:** Compliant

**German WGK:** 1

This SDS was prepared in accordance with EC No. 1907/2006 as amended. Classification under EC No. 1272/2008 as amended following the mixture rules.

**15.2 Chemical safety assessment:** Not required

## SECTION 16: OTHER INFORMATION

CLP/GHS Classification and H Phrases for Reference (See Section 3)

None

**SDS Revision History:** Convert to REACH GHS Format

**Date of Preparation:** April 16, 2019

**Date of previous revision:** February 5, 2018

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