

Anders Products

SAFETY DATA SHEET

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

1.1 Product Identifier

Trade Name Anders Products Wire Glue

SDS Date April 19, 2021

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

Physical	Health	Environmental
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	16	Not Hazardous
H ₂ 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: none defined

8.2 Exposure controls: Respiratory Protection:

Use of this product does not require the use of a respirator. Should other occupational exposure factors warrant a respirator, follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators equipped with appropriate cartridges.

Hand Protection:

Wear any liquid-tight gloves such as butyl rubber, neoprene or PVC.

Eye Protection:

Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Other Protective Clothing/Equipment:

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

Comments:

Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

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

Odor Threshold: Not available	pH: @25 C 5
Melting Point/freezing Point: 0 deg C	Boiling Point: 100 deg C
Flash Point: Not applicable	Evaporation Rate (Butyl Acetate=1): <1
Flammability (solid, gas): Not applicable	VOC: Not applicable
Flammable Limits: LEL: Not applicable	UEL: Not applicable
Vapor Pressure: mm Hg @ 20 C 17.5	Vapor Density: (Air=1) < 1
Relative Density: 0.6 grams per cubic centimeter	Solubility(ies): In Water Dispersible
Partition coefficient N-octanol/water:	Autoignition Temperature: Not available

Not applicable	
Decomposition temperature: Not applicable	Viscosity: Not determined
Explosive Properties: Not applicable	Oxidizing Properties: Not oxidizing

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:

PBT: 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: In the United States (EPA Regulations):

TSCA Inventory Status (40 CFR710):

All components of this formulation are listed in the TSCA Inventory.

SARA 302 Components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards:none

California Proposition 65:

This product does not intentionally contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

15.2

Chemical safety assessment:

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

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

None

SDS Revision History: Most recent revision: April 19, 2021

Date of Preparation: April 19, 2021

Date of previous revision: September 7, 2018

Disclaimer: This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Idolon Technologies. Idolon Technologies assumes no legal responsibility for the use or reliance upon this data.

NFPA: 0,0,0

HMIS: 0,0,0,0

Glossary:

ACGIH-American Conference of Governmental Industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS-Chemical Abstract Service; Chemtrec-Chemical Transportation Emergency Center (US); CHIP-Chemical Hazard Information and Packaging; DSL-Domestic SubstancesList; EC-Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA-Emergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; LEL-Lower Explosion Level; NFPA-National Fire Protection Association; OEL-Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. of Labor; PEL-Permissible Exposure Limit; SARA (Title III)-Superfund Amendments and Reauthorization Act; SARA 313-Superfund Amendments and Reauthorization Act, Section 313; SCBA-Self-Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ-Texas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; UEL-Upper Explosion Level; USDOT-US Department of Transportation; WHMIS-Workplace Hazardous Materials Information System.

Disclaimer: The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Idolon Technologies, it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.

This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH). Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per

the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.