WIRE GLUE

Wire Glue With Advanced Microcarbon Technology

Wire Glue utilizes the latest advances in microcarbon technology to bring you a highly conductive glue at a fraction the price of competitive products which use precious metals.
Intended for hobby and repair applications, Wire Glue is the first in a series of adhesive products based on microcarbon from Anders. In development are epoxies and other adhesive systems with unsurpassed durability and strength yet they will retain the low cost attributes of Wire Glue. A better conductive adhesive technology at a better price brought to you by the Anders Products Division of Idolon Technologies.

Features

- Lead Free
- Simple: One Easy Step
- Reliable: Permanent Bond
- Highly Conductive
- For Both AC and DC Circuits
- Quick and Easy Repairs

Applications

- Surface Mount
- Computer Repair
- Flex Boards
- Connector Repair
- Solar Cell Leads
- RF Shielding

Anders Products Wire Glue
Material Safety Data Sheet

Date of Issue: October 3, 2006
Date of Revision: April 15, 2013

1. Chemical Product and Company Identification

DESCRIPTION: Anders Products Wire Glue
PRODUCT TYPE: Electrically Conductive Carbon Adhesive

Manufacturer/Supplier Information

MSDS Prepared by:
Anders Products Division of Idolon Technologies
2 Connector Road
Andover, MA 01810
For additional health, safety or regulatory information, call 978-409-2765.

2. Composition, Information on Ingredients

No hazardous ingredients known to company.

3. Hazards Identification

3.1 Emergency Overview

Appearance: Black liquid
Odor: Mild acetic aroma
CAUTION!
Not a significant fire hazard.
May cause eye irritation

3.2 Potential Health Effects

- **Immediate Hazards**

INGESTION: Not expected to be harmful under normal conditions of use.
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: May cause irritation on prolonged or repeated contact.
EYES: May cause irritation on prolonged or repeated contact.

- **Physical Hazards**

Anders Products Wire Glue is electrically conductive. Care should be taken not to inappropriately apply this material.

Delayed Hazards

None of the components present in this product at concentrations equal to or greater than 0.1% have been listed by NTP, classified by IARC, nor regulated by OSHA as a carcinogen.

4. First Aid Measures

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.
INHALATION: Remove to fresh air.
SKIN: In case of irritation, flush with water.
EYES: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

5. Fire Fighting Measures

Autoignition Temperature Not available
Upper/Lower Flammable Limits Not applicable
Up/Lower Explosive Limits, % by Vol Not applicable
Flash Point Not applicable
Will not burn unless water has evaporated. Dried material may
burn.
In case of fire, water should be used to keep fire-exposed containers cool.
Combustion of Anders Products Wire Glue may cause a release of carbon monoxide and
carbon dioxide.

6. Accidental Release Measures

Soak up with absorbent material and remove to a chemical disposal area. Prevent entry
into natural bodies of water.

7. Handling and Storage

7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. Always use
appropriate Personal Protective Equipment (PPE).
INHALATION: Avoid prolonged or repeated breathing of vapor.
SKIN: Avoid prolonged or repeated contact with skin and clothing.
EYES: Avoid prolonged or repeated contact with eyes.

7.2 Storage

Keep from freezing.
Store in a cool, dry place.
Keep containers tightly closed.

8. Exposure Controls/Personal Protection

8.1 Exposure 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.

8.2 Personal 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. Use goggles if contact is likely. Wear impervious gloves as required to
prevent skin contact.

8.3 Exposure Guidelines

None established

9. Physical and Chemical Properties

Percent Volatiles 32
pH @ 25 C 5
Specific Gravity 1.9
Appearance Black liquid
Autoignition Temperature Not available
Boiling Point 100 deg C
Vapor Density (Air=1) < 1
Vapor Pressure, mm Hg @ 20 C 17.5
Evaporation Rate (Butyl Acetate=1) < 1
Upper/Lower Flammable Limits Not applicable
Up/Lower Explosive Limits, % by Vol Not applicable
Flash Point Not applicable
Freezing Point 0 deg C
Odor Mild acetic aroma
Odor Threshold, ppm Not available
Solubility in Water Dispersible
Coefficient of Water/Oil Distrib. Not available

10. Stability and Reactivity

Product is stable

- **Conditions to Avoid:**

Exposure to heat, flame and incompatibles.

- **Incompatibilities:**

Strong acids and alkaline materials.
Strong oxidizing and reducing agents.

- **Decomposition products may include:**

CO, CO2.

- **Hazardous polymerization:**

Will not occur.

- **Other Hazards:**

None known to company.

11. Toxicological Information

See Section 3 Hazards Identification information.

12. Ecological Information

Not determined.

13. Disposal Considerations

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements.

14. Transport Information

14.1 U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation. Non-Regulated.

- **User's Responsibility**

The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

- **Disclaimer**

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