

Electrodag 501

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation

- product name : Electrodag 501
- product code : 5-0172-0 11

1.2 Use of the substance/preparation

- chemical description : Pigment in solvent.
- application : Electrical conductive coating.

1.3 Company/undertaking identification

- manufacturer : **Acheson Colloiden B.V.**
Outside the Netherlands Acheson Colloiden B.V. is the representative of Acheson Industries (Europe) Limited, Slough-UK.
- suppliers address : **Acheson Colloiden B.V.**
Postbox 1, 9679 ZG SCHEEMDA, The Netherlands.
Telephone: +31 (0)597 670500, Fax: +31 (0)597 670599.

- 1.4 Emergency telephone : In case of emergency please contact the Dutch National Poison Control, telephone number: +31 (0)30 2748888. (This number is only accessible to physician treating the patient and only in case of accidental poisoning).

2. COMPOSITION/INFORMATION ON INGREDIENTS

The full text of the R-phrases will be listed in Chapter 15 or 16.

Hazardous substances	CAS No	EC No	Content %	Symbol(s)	R-phrase(s)
butanone	78-93-3	201-159-0	>50	F + Xi	11-36-66-67

3. HAZARDS IDENTIFICATION

3.1 Risk for human

- **ways of exposure** : Skin contact. The substance may be absorbed into the body by inhalation, ingestion and through the skin. Formation of product mist when applied by spray, which could be inhaled. Fluoropolymer resins slowly decompose above 300 °C, producing small amounts of toxic vapours, which could be inhaled. Thoroughly wash hands after use. Avoid contamination of smoking materials or other materials which may be burned.

- **hazards identification** : The substance is flammable (R-phrase in Chapter 15). Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

3.2 Risk for the environment : Product contains solvent(s).

4. FIRST AID MEASURES

4.1 Inhalation : Fresh air. If person feels unwell seek medical advice.

4.2 Eyes contact : Rinse immediately with water. Eye bath advisable. If irritation persists seek medical advice.

4.3 Skin contact : Treat with a suitable cleaner and wash afterwards with water and soap. If irritation persists seek medical advice.

4.4 Ingestion : Wash mouth out with water. Give water to drink. Do not induce vomiting, seek medical advice.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguisher** : Water mist, powder, carbon dioxide or foam.
- 5.2 Unsuitable extinguisher** : Full water jet.
- 5.3 Risk** : Toxic vapours may be evolved.
- 5.4 Special outfit** : Use chemical protection suit and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal instructions** : Avoid skin-, eye contact and inhalation. Ventilate well. No open flames or ignition sources.
- 6.2 Environmental instructions** : Prevent substance entering soil, surface waters, water courses, sewers, basements and workpits.
- 6.3 Cleaning methods** : Absorb in earth, sand or other suitable material, collect in a suitable container and remove to a safe place. Clean well to avoid slippages.

7. HANDLING AND STORAGE

- 7.1 Handling** : Do not breathe vapour and ensure adequate ventilation. No open flames, no smoking. Avoid unnecessary contact. Use protective gloves.
- 7.2 Storage** : Fireproof. Keep at temperatures not exceeding 30°C.
- 7.3 Specific use(s)** : No special instructions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values:

* MAC-value in mg/m³

<u>Hazardous substances</u>	<u>Index No</u>	<u>MAC TGG 8 in ppm</u>
butanone	606-002-00-3	200

8.2 Occupational exposure controls:

- **Respiratory protection** : Do not breathe spray and vapour. Ventilation via local exhaust. In case of insufficient ventilation in closed rooms, wear suitable respiratory equipment.
- **Hand protection** : Use protective gloves.
- **Eye protection** : Safety goggles giving full protection to eyes.
- **Skin protection** : Wear suitable protective clothing.

8.3 Environmental exposure controls : No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical form	:	Black fluid
9.2 Odour	:	Solvent
9.3 pH	:	Not applicable
9.4 Viscosity	:	Medium
9.5 Boiling point (range)	°C :	ca. 80
9.6 Melting point (range)	°C :	Not applicable
9.7 Flash point	°C :	- 8
9.8 Autoignition temperature	°C :	> 200
9.9 Explosive limits in air	vol. % :	1.8- 11.5
9.10 Oxidising properties	:	Not applicable
9.11 Vapour pressure	20 °C mbar :	105
9.12 Density	kg/m ³ :	882
9.13 Solubility in water	:	Insoluble

10. STABILITY AND REACTIVITY

- 10.1 Circumstances to be avoided** : No special instructions.
- 10.2 Substances to be avoided** : Strong oxidants.
- 10.3 Hazardous decomposition product(s)** : Fluoropolymer resins slowly decompose above 300 °C, producing small amounts of toxic vapours, which could be inhaled.

11. TOXICOLOGICAL INFORMATION

The substance is irritating to eyes. Product contains solvent(s). Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

12. ECOLOGICAL INFORMATION

Prevent contamination of soil, drains and surface waters. Contaminated waste water should be treated in a suitable cleaning plant.

13. DISPOSAL CONSIDERATIONS

Treat as a chemical waste in accordance with legal regulations or common industrial practice.

List of wastes (conform Directive 2001/119/EC) : 08 01 11

14. TRANSPORT INFORMATION

- road / sea : UN-Nr. : 1263 Paint

Class : 3
Packing group : III (ADR 2.2.3.1.4, IMO 2.3.2.2, IATA 3.3.3.1.1)
Tremcard : 30GF1-I+II
EmS No. : F-E, S-E
Marine pollutant : No

- air : UN-Nr. : 1263 Paint

Class : 3
Packing group : III (ADR 2.2.3.1.4, IMO 2.3.2.2, IATA 3.3.3.1.1)

15. REGULATORY INFORMATION

- 15.1 R-phrases : 11 Highly flammable
36 Irritating to eyes
66 Repeated exposure may cause skin dryness or cracking
67 Vapours may cause drowsiness and dizziness
- 15.2 S-phrases : 16 Keep away from sources of ignition - No smoking
23E Do not breathe vapour and spray.
24 Avoid contact with skin
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
51 Use only in well-ventilated areas

- 15.3 Symbol(s) :
- | | |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| F | Xi |
|  |  |
| Highly flammable | Irritating |

- 15.4 Contains : -

16. OTHER INFORMATION

The full text of the R-phrases which are not mentioned in Chapter 15:

None

The most essential changes in this issue no. are in the chapters: 3, 11, 15.

The above information is meant purely as a product description with regard to health, safety and environment. It should therefore not be used as a technical specification for the product. It is based on the current state of our knowledge and understanding. We cannot guarantee that all the information in this safety data is totally correct and complete. It remains the responsibility of the user to ensure that he uses the product with due care and applies it in accordance with local law regulations.