

## Safety Data Sheet

Health: 1

Flammability: 2

Reactivity: 1

### 1. Identification of the substance / preparation and the Company

#### 1.1 Identification of the substance or preparation

Product name	Anti-Static Paste
1.2 Use of the substance / preparation	Screen/Pad Printing product
1.3 Manufacturer	SERICOM ITALIA SRL
Distributor	Inkcups
Full address	20 Locust Street, Suite 104
District and Country	Danvers, MA. 01923 USA
	Phone 978-646-8980
	Fax 978-646-8981
1.4 Emergency telephone	Cemtrec 800-424-9300

### 2. Composition / Information on ingredients

Contains:		
Name	Concentr.(C)	Classification
2-METHOXY-1-METHYLETHYL ACETATE	8,7 <= C < 9,8	R10
Cas No 108-65-6		Xi R36
CE No 203-603-9		
Index No 607-195-00-7		
NAPHTHA (PETROL.) HYDROTREATED HEAVY	71,4 <= C < 75,5	Xn R65
Cas No 64742-48-9		
CE No 265-150-3		
Index No 649-327-00-6		
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM	5,1 <= C < 6,2	Xn R65
Cas No 64742-95-6		
CE No 265-199-0		
Index No 649-356-00-4		

The complete text of -R- phrases is specified in section 16.  
Benzene concentration in SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC is under 0,1% in weight. The substance is not classified as carcinogenic.

### 3. Hazards Identification

#### 3.1 Substance/Preparation Classification

## Antistatic Paste

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: Xn  
Phrases R: 10-65

### 3.2 Danger Identification

Because of its chemical-physical features, this product is graded as flammable (flash-point 38 °C or higher and 55 °C or lower ).

HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

## 4. First aid measures

**EYES:** Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

**SKIN:** Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists seek medical attention. Wash contaminated clothing before using them.

**INHALATION:** Remove to fresh air. If breathing is irregular seek medical advice.

**INGESTION:** Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

## 5. Fire-fighting measures

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

**Extinguishing measures:** CO<sub>2</sub>, foam, AFFF, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

**Equipment:** wear equipment complete with helmet and face shield and protection of the neck, self breathing apparatus at pressure or demand, insulated jacket and trousers, with bands around the arms, legs and waist.

## 6. Accidental release measures

Extinguish the sources of ignition or heat; cover the spillage with inert absorbent material. Collect as far as possible the resulting mass and discard the remainder by spraying water, if not contraindicated.

For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

## 7. Handling and storage

Store in a well ventilated place keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition; do not spray in the vicinity of flames or incandescent materials.

For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

## 8. Exposure controls / personal protection.

2-METHOXY-1-METHYLETHYL ACETATE

- TLV TWA 270 mg/m<sup>3</sup> MAK

1-METHOXY-2-PROPANOL

- TLV TWA 369 mg/m<sup>3</sup> ACGIH

- TLV STEL 553 mg/m<sup>3</sup> ACGIH

**Antistatic Paste**

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks suitable for the product, goggles, gloves and overalls. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

**9. Physical and chemical properties**

Colour	Transparent or pale yellow
Odour	Typical of solvent
Smell	Liquid
Solubility	Partial in water. Soluble in the most part of organic solvent
Viscosity	N.A.
Vapour density	N.A.
Partition coefficient: n-octanol/water	N.A.
PH	N.A.
Boiling point	> 100°C
Flash point	> 38°C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	0,950Kg/l

**10. Stability and reactivity**

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbon dioxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

1-methoxy-2-propylacetate: it is stable but in presence of air, it can gradually form peroxides which explode due to the rise in temperature. It can react violently with oxidizing agents and strong acids and alkaline metals. Avoid copper, aluminium and their alloys when storing. Store under inert atmosphere, repaired from humidity because it easily hydrolyses.

1-methoxy 2-propanol (propylenmethylglycol) absorbs and dissolves in water and in organic solvents; it dissolves different plastic material; it is stable but in the presence of air it can gradually form explosive peroxides when heated and may react with strong oxidizing agents and acids. It should be biodegradable. Stainless steel is suitable while copper and aluminium are not.

**11. Toxicological information**

The introduction of even small quantities of this liquid into the respiratory system during ingestion or vomit may cause bronchopneumonia and pulmonary edema.

1-methoxy-2-propanol and corresponding acetate: the main route of entry is the skin, whereas the respiratory route is less important owing to the low vapour tension of the product. Concentrations above 100 ppm cause irritation of the eyes, nose and oropharynx.

The recommended limit of exposure is 100 ppm for 8 hours. At 1000 ppm disturbance in the equilibrium and severe irritation of the eyes is observed. (For further details refer to INRS, Fiche toxicologique, nr. 221).

Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and ocular irritation on direct contact. No chronic effects have been reported in man. In vitro genotoxicity tests on animals resulted to be negative.

No significant effects were observed in studies on animal reproduction.

The following experimental data confirm that the substance is not even harmful: oral LD50 in the rat = 7900 mg/kg, inhalation CL50 in the rat 4 hours = 55.2 mg/l (Fiche toxicologique nr. 221).

**12. Ecological information**

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 13. Disposal considerations

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

Per lo smaltimento del prodotto o dei contenitori non ripuliti/bonificati rivolgersi a società espressamente autorizzate alla gestione dei rifiuti (recupero o smaltimento di rifiuti pericolosi).

I contenitori ripuliti/bonificati devono essere smaltiti/recuperati come rifiuti speciali.

Non scaricare mai il prodotto in acque superficiali o sotterranee.

### 14. Transport informations

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packing or in packaging made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

#### Road and rail transport:

ADR:	3
UN:	1263
Packing Group:	III
Label:	3
Nr. Kemler:	30
Proper Shipping Name:	Printing ink
Special Provision:	640E

#### Carriage by sea (shipping):

IMO class:	3
UN:	1263
Packing Group:	III
Label:	3
EMS:	F-E, S-D
Proper Shipping Name:	Printing ink

#### Transport by air:

IATA:	3
UN:	1263
Packing Group:	III
Label:	3
Cargo:Packaging instructions:	310
Maximum quantity:	220 L
Pass.:	
Packaging instructions:	309
Maximum quantity:	60 L

### 15. Regulatory information

Xn



**Antistatic Paste**

HARMFUL

R10	FLAMMABLE.
R65	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
S24/25	AVOID CONTACT WITH SKIN AND EYES.
S45	IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
S61	AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.

Contains:

NAPHTA (PETROL.) HYDROTREATED HEAVY

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CE.

**16. Other information**

Text of -R- phrases quoted in section 2 of the sheet.

R10	FLAMMABLE.
R36	IRRITATING TO EYES.
R65	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

## GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax-Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

PRODUCT FOR PROFESSIONAL USE ONLY.