

PRODUCT AND MANUFACTURER IDENTIFICATION

Product name: CT-MAG
Normal Use: Magnetic tape for plastic cards.
Company : C.T.Lay Srl
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C.T.Mag

HAZARD IDENTIFICATION

It is not very probable that the substance causes harmful effects under normal conditions of handling and use.
The product is chemically inert.

Contact with molten product may cause thermal burns.

PRODUCT INGREDIENT(S) COMPOSITION/INFORMATION

Partially composed with polyethylene terephthalate (PET).
Substances presenting a danger: None.

FIRST AID MEASURES

General Case:

Are normally necessary only in the event of thermal burns and of inhalation of the smoke emanating from the matter in combustion. Treat as for other thermal burns and inhalation of wood smoke.

After inhalation:

Move the person away from the place of exposure, seek medical assistance.

After contact with skin:

The matter in combustion can cause serious burns. DO NOT try to remove molten polymer deposited on the skin. Cool quickly with plenty of water, call a doctor immediately.

After contact with eyes:

Wash completely with plenty of running water for 15 minutes keeping eyelids apart. See an ophthalmologist.

After ingestion:

Seek medical assistance.

FIREFIGHTING MEASURES

Recommended extinguishing measures:

Standard extinguisher: water, foam, dry chemical, carbon dioxide (CO₂).

Dangerous combustible products:

In case of complete combustion, the resultant materials will include water, carbon oxides, and hydrogen chloride. In case of incomplete combustion, a complex range of volatile organic compounds will be formed, in addition to carbon dioxide, water and carbon oxide.

Recommendation:

Self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

This product does not present any particular risk to the environment.

Cleaning / collecting procedures:

The film scrap coming from the transformation must be swept up and eliminated in barrels or bags made of plastic.

HANDLING AND STORAGE

1- Handling

The films have sharp edges which can involve lesions: wear suitable gloves to avoid cuts.

Electrostatic charges:

The electrostatic charges must be eliminated or reduced as much as possible because they can electrocute the operators or be a source of ignition for flammable gases and vapors. Eliminate static electricity to reduce the charges.

Winding/Unwinding:

The design of the machine and practices of work must be organized so as to eliminate any danger of trapping parts of body or clothes.

Dusts:

In case of operation producing dusts (for example slitting), use a breathing apparatus.

2- Storage

Store at ambient temperature. Keep away from heat sources. Avoid extreme variations of humidity.

For tape with adhesive, the allowed storage period for the reel is 2 years from the date of certificate under the following conditions:

Temperature: 10°C – 28°C

Humidity: 20% - 60% RH

Additional pressure on the windings shall be avoided.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

1- Exposure limit values

The following values are for dusts formed by cooled transformation (for example slitting, grinding) :

	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Dusts (dusts amount which can be inhaled)	-	10	-	-
Dusts (breathable dusts)	-	4	-	-

2- Exposure control

Wear suitable gloves to avoid being injured by the sharp edges of the film. Wear antistatic clothes made with natural or synthetic fibers.

This product should not pose any particular problem to the environment.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Film tape
Odour	No odour
Solubility in water	Insoluble

pH	Not applicable
Melting point	> 250 °C
Decomposition temperature	> 260 °C
Flash point	Not available
Auto ignition temperature	Not available

STABILITY AND REACTIVITY

The product is stable in normal conditions of use and storage.

Dangerous products of decomposition: above the temperature of decomposition, the principal volatile products will be carbon dioxide and organic alcohols with a low molecular weight, aldehyde and esters.

TOXICOLOGICAL INFORMATION***Inhalation***

Products of combustion could be irritating. High concentration of dusts could be irritating for respiratory tracts.

Contact with skin

Sharp edges can cause injuries. Polymer in fusion sticks to the skin and causes serious thermal burns. There is no irritating symptom with a normal use of the product.

Long term exposure

No toxic effects.

ECOLOGICAL INFORMATION

Product insoluble in water. The product persists in the soil. It is not dispersible.

This product should not pose any particular problem to the environment.

DISPOSAL CONSIDERATIONS

The product must be incinerated at a licensed site to ensure complete combustion.

Any elimination must be in conformity with the local, or national legislation

INFORMATION RELATIVE TO TRANSPORT

This product is not classified dangerous for transport.

OTHER INFORMATION

None.

The safety information is given based on our current knowledge and is given in good faith. It describes merely the product and does not, in any way whatsoever, excuse the user from knowing or applying all of the guidances regulating his/her activity. The legislation and regulations must be respected by the recipient of our product on his/her own responsibility.