San Chemicals, Ltd. **Safety Information**

Commercial Product Name: MELCO T-5500

1. Product Description

Brand Name:	MELCO T-5500
Description:	Dot re-enforced nylon knit adhesive fabric
Form:	Solid (Tape)
Size:	300mm width x 30m length per roll
Weight:	365g±5% deviation per 1 m^2
Odor:	None

2. Chemical Composition as Expressed by Percentage of Weight

Polyacrylate resin dots 22%

100% Nylon jersey fabric 23%

Knitting yarn:	24 filaments (70 Denier 6 Nylon)
Knitting method:	Circular knitting
Dyeing properties:	Dyed in acid dye *which does not use Azo-dye*
	Color fastness meets the ISO standard
	Formalin free

Primer layer 15%

Non-thermoplastic cross-linked polyurethane film

Hot-melt adhesive 40%

Polyurethane-base hot-melt type adhesive film

Flow temperature ..... 95℃

Melting viscosity (under 10Kg/cm^2 load, 1mm ϕ x 1mmL die) 380,000 Pa.s on 100℃, 8,000 Pa.s on 120℃, 250 Pa.s on 140℃

3. Stability and Reactivity

Thermal decomposition: No thermal decomposition when stored and handled correctly.

Lubricant bloom to the surface of the adhesive layer could be observed after a period of time. However, this is not hazardous substance, and the performance of the product remains the same.

4. Handling and Storage

Store at room temperature, avoiding direct sunlight or direct contact to heat.

There are no hazardous substances used in the product, however, we recommend that the workplace be well ventilated since the tape is welded at high temperatures.

5. Transport Information

Not dangerous cargo
Handle the cargo according to the instruction under 4. Handling and Storage above.

6. Fire and Explosion

Flash point:	Not applicable
Self ignition:	Not applicable

7. Measures in Case of Fire

Use water and/or carbon dioxide (CO_2) to extinguish the fire.

8. Toxicological Information

MELCO T-5500 was analyzed by the Test & Inspection Division of Japan High Polymer Center (an organization approved by Ministry of International Trade & Industry and Ministry of Health & Welfare) in Osaka, Japan, and the results showed that no hazardous substances were detected, or were found in insignificant concentrations.
No toxic chemical substance is used as follows:

- Pentachlorophenyl:	not exist in salt, ester or ether
- Formaldehyde:	below 1 mg/kg
- Heavy metal such as nickel, chrome VI, cadmium:	not exist
- Organic tin compound such as polimerization catalyst for PU:	not exist in MBT, DBT, and TBT
- Halogenated hydrocarbon containing fluorine and chlorine:	not exist
- Azo dyes containing carcinogenic amines:	not exist
- Allergenic dispersed dyes:	not used

Complementary analysis using gas chromatography showed that no toxic substances were produced during the welding operation (170℃ for two minutes).

9. Ecological Information

The product is insoluble in water. Therefore, it is not hazardous to water.

10. Disposal considerations

Incinerate, by observing the local official regulations.

The data given here is based on current knowledge and experience. The purpose of this safety information is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product properties.

1-12-8 Edobori, Nishi-ku, Osaka 550 -0002Japan Tel: 81-6-6447-1550 Fax: 81-6-6447-7705

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