

TIERM-O-TYPE

Tel: 941-488-0123 Toll Free: 800-237-9630

DIGITAL FINISHING SOLUTIONS

www.thermotyape.com sales@thermotype.com**Safety Data Sheet (SDS)****一、物品與廠商資料 Product identifier :**

物品名稱 Trade Name .	碳粉燙金膜 toner foils
其他名稱： Other Name	TF-01 系列燙金膜 TF-OI series toner foils
建議用途及限制使用： Recommended Application :	碳粉燙金膜 toner foils
緊急聯絡電話/傳真電話 Emergency Phone/Fax .	Tel: 941-488-0123 Toll Free: 800-237-9630

二、危害辨識資料Hazard Identification :

物品危害分類 Classification of Hazard :	不屬於危險物質 Not classified as a dangerous substance
標示內容 Content :	Polyester Film
其他危害 Other Hazard :	無其他危害 No other hazard

三、成分辨識資料Composition Information of Ingredients:

混合物Mixing:

化學性質Chemical Property : Foils

危害物質成分之中英文名稱 Hazardous Components Name .	濃度或濃度範圍(成分百分比) Concentration / Percentage
PET Film	92%~96%
Aluminum	Trace

個人應注意事項 Personal Protection .	無具體資料可適用 No information available
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tifhä Resin	
Dye	Trace

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環境注意事項 Environmental Protection .	無具體資料可適用 No information available
清理方法 Methods for Cleaning Up :	無具體資料可適用 No information available

四、急救措施First Aid Measures .

ihk A Inhalation •	本產品無法吸入 Products couldn't be inhaled.
itA Ingestion .	請勿催吐，且盡快送醫治療 Do not induce vomiting and seek for medical advice immediately.
Skin Contact :	若有任何不適，請盡速就醫 Consult physician if any irritation occurs.
Eye Contact :	若有任何不適，請盡速就醫 Consult physician if any irritation occurs.
最重要症狀及危害效應 Major Disease and Hazardous Effect :	無具體資料可適用 No information available
對急救人員之防護 Protection of First-Aid Person	無具體資料可適用 No information available
對醫師之提示 Notes to Doctor :	無具體資料可適用 No information available

火措施Fire Fighting Measures .

適用滅火劑 Suitable Extinguishing Media :	二氧化碳及乾粉滅火器 In case of fire, use dry chemical such as CO2 (Carbon dioxide) or dry powder extinguisher,
滅火時可能遭遇之特殊危害 Special Hazards when extinguishing	產生一氧化碳 Carbon monoxide may occur when extinguishing fire.
特殊滅火程序 Special Extinguishing Procedure .	無特殊注意事項 No specific precautions
消防人員之特殊防護設備 Special Protective Equipment for fire-fighters :	戴防護口罩 Appropriate respiratory protection equipment may be required.

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六、洩漏處理方法Accidental Release Measures

• 七、安全處置與儲存方法Handling and Storage .

Handling	<p>遠離火源，移開所有引燃源</p> <p>Keep from heat source & fire, Puts aside all ignition source.</p>
安全的儲存方法 Conditions for Safe Storage	<ul style="list-style-type: none"> • 遠離熱源 Keep away from flame. • 儲存在室溫 Store in room temperature. • 建議以原封包裝保存，且避免存放在高溫、陽光直射或潮濕的環境 Keep in its original package and away from high temperature, sunlight exposure and humidity. • 建議以水平懸掛的方式擺放，並且避免直接接觸地面或其他物品。 Jumbo rolls should be suspended horizontally and avoid direct contact with the ground or other items.

八、暴露預防措施Exposure Controls/ Personal Protection .

工程控制 Engineering Control :	無具體資料可適用 No information available
控制參數 Control Factor :	無具體資料可適用 No information available
八小時日時量平均容許濃度 (TWA)/ 短時間時量平均容許濃度 (STEL) / 最高容許濃度 (CEILING) :	無具體資料可適用 No information available
生物指標 Biotic Index .	無具體資料可適用 No information available
個人防護設 Personal Protection Equipment :	Eye/ face protection:
呼吸防護 Respiratory Protection .	無特殊注意事項 No specific precautions
手部防護 Hand Protection :	穿戴防護手套Wear protective gloves.
眼睛防護 Eye Protection .	配戴合格且具有側護罩的安全護目鏡 Wear approved safety goggles with side shields are recommended.
皮膚及身體 Skin & Body Protection .	以水及乳液清洗 Wash with water and a mild cleanser
衛生程序 Hygiene Procedures .	遵循一般防範措施，工作後洗手 Observe the common precautionary measures. Wash hands after work.

.91、物理及化學性質Physical and Chemical Properties :

外觀（物質狀態、顏色等）	
物質狀態 Physical state .	Solid (PET film roll)

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Color :	視產品顏色而定 Depends on the color of product
Odor :	輕微塑膠氣味 Slight plastic odor
嗅覺閾值 Odor Threshold Value .	無適用資料 Not data Applicable
Melting Point :	無適用資料 Not data Applicable

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pH Value :	無適用資料 Not data Applicable
沸點 /沸點範圍 Boiling Point / Range	無適用資料 Not data Applicable
Flammability (Solid Gases) :	Solid
分解溫度 : Decomposition Temperature	(PET decomposed at 2400)
Flash Point :	無適用資料 Not data Applicable
Test Method	無適用資料 Not data Applicable
Spontaneous Temperature .	不會自燃 Not Spontaneous combustion
Exposure Limits .	不會爆炸 Not exploding
Vapor Pressure •	無適用資料 Not data Applicable
Vapor Density :	無適用資料 Not data Applicable
GFE Specific Gravity :	1.3—1.4
Solubility in Water :	不溶於水 Insoluble
辛醇/水分配係數 Partition Coefficient (Octanol / Water) .	無適用資料 Not data Applicable
揮發速率 Evaporation Rate .	無適用資料 Not data Applicable

+ 安定性及反應性 Stability and Reactivity :

Stability	不會反應 NO reaction
特殊狀況下可能之危害反應 Possibility of Hazardous Reaction :	<p>高溫分解 Decompose at high temperature. 一般依正常使用方法並不會有危害發生</p> <p>Under normal conditions of storage and use, hazardous reaction will not occur.</p>

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應避免之狀況 Conditions to Avoid .	遠離火源 Keep away from flame.
應避免之物質 Incompatible Materials :	無特殊注意事項 No specific precautions
危害分解物 Hazardous Decomposition Products :	熱分解時會產生可燃有毒的氣體 fn case of thermal decomposition, hazardous products such as carbon monoxide may occur.

+- 毒性資料 Toxicological Information •

暴露途徑 Exposure methods :	避免食入 Avoid ingestion
Symptom .	無適用資料 Not data Applicable
Acute Toxicity .	No toxicity
慢毒性或長期毒性 Chronic Toxicity :	No toxicity

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-f-Z·生態資料 Ecological Information :

生態毒性 Eco-Toxicity :	No toxicity
持久性及降解性 Persistence and Degradability :	-Fi-Gft7K The product is insoluble in water
生物蓄積性 Bioaccumulative potential :	None
土壤中之流動性 Mobility in soil :	None
其他不良效應 Other adverse effects :	None

-f-E·廢棄處置方法 Disposal Information :

廢棄處置方法 Disposal Methods •	依地方法規回收處理 Recycling should be completed according to local laws and regulations.
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-f-ug·運送資料 Transport Information :

聯合國編號 United Nation Number(UN No) :	Not restricted
聯合國運輸名稱 United Nation Shipping Name .	Not restricted
運輸危害分類 Transport Hazard Class(es) :	Not restricted
包裝類別 Classification of Packing .	Not restricted
海洋污染物 (E G) Marine Pollutant (YES/ NO)	
特殊運送方法及注意事項 Special Transportation Method and Others :	遠離食品、酸及鹼，並置於 5-400 Keep away from foodstuffs, acids and alkalis. Store at temperature between 50 and 400.

-f-E·法規資料 Regulatory Information :

適用法規 Applied Regulation .	REACH (Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals)
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六、其他資料 Other Information :

負責單位 Department in Charge	單位名稱 Department :	R&D department
	負責製表人 Contact :	Johnny Wang
	Title :	R&D Engineer
製表日期 Date of Issue	2015.08.06	

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