

Material Safety Data Sheet

U.S. Department of Labor

May be used to comply with

OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

Identity Al2O3 Setter Tapes	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
---------------------------------------	---

Section I

Manufacturer's Name Thick Film Technologies, Inc.	Emergency Telephone Number 911
Address 3101 111 th St SW Suite R, Everett, WA 98204	Telephone Number for Information (425) 347-0919
Date Prepared 11/9/09	Signature of Preparer (optional)

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Surfactant (Surfanol SE-F)				
Dispersant (Polypropylene glycol, P1000)				
Organic Binder (Methocellulose, F4M)				

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H₂O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water Partially soluble.			
Appearance and Odor Odorless, semi-transparent thin sheet.			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Extinguishing Media			
Special Fire Fighting Procedures			
Unusual Fire and Explosion Hazards			

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid N/A
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>) None			
Hazardous Decomposition or Byproducts None			
Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Inhalation is unlikely	Skin? N/A	Ingestion? Ingestion is unlikely.
Health Hazards (<i>Acute and Chronic</i>) N/A			
Carcinogenicity: N/A	NTP?	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure			
Medical Conditions Generally Aggravated by Exposure None			
Emergency and First Aid Procedures			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled N/A
Waste Disposal Method Consult with local, state and federal regulations. These materials may be land filled safely.
Precautions to Be taken in Handling and Storing Store in original packaging container in dry, cool area.
Other Precautions None

Section VIII - Control Measures

Respiratory Protection (Specify Type) Not necessary		
Ventilation	Local Exhaust	Special
	Mechanical (General)	Other
Protective Gloves Not necessary		Eye Protection Not necessary
Other Protective Clothing or Equipment None		
Work/Hygienic Practices		