

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health
Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY <i>(As Used on Label and List)</i> Tillman 594	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.
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Section I

Manufacturer's Name John Tillman Co.	Emergency Telephone Number 310-764-0110
Address <i>(Number, Street, City, State, and ZIP Code)</i> 1300 W. Artesia Blvd	Telephone Number for information 310-764-0110
Compton, CA 90220	Date prepared 6-3-11
	Signature of Preparer <i>(optional)</i>

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% <i>(optional)</i>
Amorphous Silica (CAS 7631-86-9)		ACGIH TLV		
Nonrespirable		10 mg/m ³		
Respirable		3 mg/m ³		
		OSHA		
		80 mg/m ³ /%SiO ₂		

Note: There is not an established threshold limit value (TLV) that is directly applicable to this family of silica materials. The exposure limits are taken from the OSHA and ACGIH list

of air contaminants which include various forms of amorphous silica.

Section III - Physical/Chemical Characteristics

Boiling Point	Not Applicable	Specific Gravity (H ₂ O = 1)	2.2
Vapor Pressure (mm Hg)	Not Applicable	Melting Point	1700°C
Vapor Density (AIR = 1)	Not Applicable	Evaporation Rate (Butyl Acetate = 1)	Not Applicable
Solubility in Water Negligible			
Appearance and Odor Tan in color/ No odor			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits Not Applicable	LEL Not Applicable	UEL Not Applicable
Extinguishing Media Water, carbon dioxide, dry chemical.			
Special Fire Fighting Procedures None Known			
Unusual Fire Explosion Hazards None Known			

(Reproduce locally)

OSHA 174, Sept. 1985

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid None Known
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	Stable	X	
Incompatibility (<i>Materials to Avoid</i>) Strong oxidizing agents			
Hazardous Decomposition or By products Carbon monoxide, carbon dioxide, hydrogen chloride			
Hazardous Polymerization	May Occur		Conditions to Avoid None Known
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Through dust when cutting	Skin? N/A	Ingestion? N/A
Health Hazards (<i>Acute and Chronic</i>) Acute: possible mechanical irritation accompanied by itching or dermatitis			
Chronic: none known			
Carcinogenicity: This material is not known to be a carcinogen	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
Signs and Symptoms of Exposure Raspy throat, redness or itching of skin and eyes			
Medical Conditions Generally Aggravated by Exposure Respiratory Illnesses			
Emergency and First Aid Procedures For throat- remove person to fresh air, consult a physician. For skin and eyes-Flush with cool water, if irritation persists seek medical attention.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Material is a solid
Waste Disposal Method Burial in a federal, state or local approved landfill.
Precautions to Be taken in Handling and Storing Use adequate material handling equipment
Other Precautions None Known

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>) Dust mask		
Ventilation	Local Exhaust None Needed	Special None Needed
	Mechanical (<i>General</i> <i>None Needed</i>)	Other
Protective Gloves Cotton Gloves	Eye Protection Safety goggles	
Other Protective Clothing or Equipment Long sleeve clothing		
Work/Hygienic Practices Wash with soap and water after handling.		

* U.S.G.P.O.: 1986 - 491 - 529/45775