

Group Code 0
Fibre

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 (As Used on Label and List)
VULCANIZED FIBRE

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 OLINER FIBRE CO., INC.	Emergency Telephone Number 908-688-5800
Address (Number, Street, City, State, and ZIP Code) 2391 VAUXHALL ROAD	Telephone Number for Information 908-688-5800
UNION, NEW JERSEY 07083	Date Prepared 2/8/93
	Signature of Preparer (optional)

Section II -- Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
THIS PRODUCT CONSISTS OF PARTIALLY REGENERATED CELLULOSE (C6H 10O5).				
TLV HAS NOT BEEN ESTABLISHED BY THE ACGIH.				
THIS MATERIAL IS NOT CLASSIFIED AS HAZARDOUS.				

Section III -- Physical/Chemical Characteristics

Boiling Point	NA	Specific Gravity (H ₂ O = 1)	1.05 - 1.55
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water	NA		
Appearance and Odor	COLOR - AS ORDERED, NO ODOR.		

Section IV -- Fire and Explosion Hazard Data

Flash Point (Method Used)	NA	Flammable Limits	LEL NA	UEL NA
Extinguishing Media	WATER, CARBON DIOXIDE (CO ₂) OR FOAM.			
Special Fire Fighting Procedures	USE CONVENTIONAL FIRE FIGHTING PROCEDURES USED FOR WOOD. SELF CONTAINED NIOSH/NHSA APPROVED BREATHING APPARATUS SHOULD BE WORN WHEN ENTERING A BURNING AREA.			
Unusual Fire and Explosion Hazards	SMOKE AND TOXIC FUMES MAY BE RELEASED WHILE BURNING.			

(Reproduce locally)

Section V -- Reactivity Data

Stability	Unstable		Conditions to Avoid NA
	Stable	X	

Incompatibility (Materials to Avoid) **STRONG OXIDIZING AGENTS.**

Hazardous Decomposition or Byproducts **CARBON DIOXIDE, CARBON MONOXIDE.**

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI -- Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
AS DUST	X	X	X

Health Hazards (Acute and Chronic) **THIS PRODUCT MAY YIELD AN IRRITANT DUST IF MACHINED OR SANDED.**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	NA	NA	NA

Signs and Symptoms of Exposure **NA**

Medical Conditions Generally Aggravated by Exposure **NA**

Emergency and First Aid Procedures **NA**

Section VII -- Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled **NA**

Waste Disposal Method **LANDFILL OR INCINERATION IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.**

Precautions to Be Taken in Handling and Storing **NONE**

Other Precautions **WEAR APPROPRIATE RESPIRATORY AND EYE PROTECTION WHEN MACHINING OR SANDING.**

Section VIII -- Control Measures

Respiratory Protection (Specify Type) **AVOID INHALATION OF DUST. USE OSHA APPROVED DUST MASK IF VENTILATION SYSTEM IS INADEQUATE.**

Ventilation	Local Exhaust	Special
	PREFERRED	DUST MASK
	Mechanical (General)	Other
	ENSURE ADEQUATE VENTILATION WHEN MACHINING OR SANDING.	AIR FILTERED WORK BOOTHS.

Protective Gloves **DESIRABLE TO PREVENT CUTS AND ABRASION.**

Eye Protection **GUARD SHIELDS AND SAFETY GLASSES WHEN MACHINING**

Other Protective Clothing or Equipment **NA**

Work/Hygienic Practices **WASH HANDS BEFORE HANDLING FOOD.**

TOYO FIBRE (USA) INC.
MANUFACTURES OF VULCANIZED FIBRE

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY: TOYO VULCANIZED FIBRE - GRADE - H.B. 77
(COMMERCIAL AND FISHPAPER)

SECTION I - MANUFACTURER'S NAME AND ADDRESS:

THE TOYO FIBRE COMPANY, LTD.
888 OHTSUKA, NUMAZU CITY
SHIZUOKA, JAPAN 410-03
011-81-559-68-0367

EMERGENCY TELEPHONE NO. 770-346-7616
NUMBER FOR INFORMATION: 770-346-7615

DATE PREPARED: MAY 1, 1995

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS:	OSHA PEL	ACGIH TLV	OTHER LIMITS	
			RECOMMENDED	% OPTIONAL
THIS PRODUCT IS VULCANIZED FIBRE CONSISTING OF PARTIALLY REGENERATED CELLULOSE (C ₆ H ₁₀ O ₅). OSHA PEL AND ACGIH TLV HAVE NOT BEEN ESTABLISHED FOR THIS MATERIAL.				

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	NA	SPECIFIC GRAVITY: (H ₂ O=1)	1.05 -1.55
VAPOR PRESSURE: (MM HG).	NA	MELTING POINT:	NA
VAPOR DENSITY: (AIR = 1)	NA	EVAPORATION RATE: (BUTYL ACETATE = 1)	NA
SOLUBILITY IN WATER:	NA		
APPERANCE AND ORDER:	COLOR - AS ORDERED. NO ODOR		

SECTION IV - FIRE AND EXPOSION HAZARD DATA

FLASH POINT: (METHOD USED) NA FLAMMABLE LIMITS: LEL: NA LEL: NA

EXTINGUISHING MEDIA: WATER, CARBON DIOXIDE (CO₂) OR FOAM.

SPECIAL FIRE FIGHTING PROCEDURES: USE CONVENTIONAL FIRE FIGHTING PROCEDURES USED FOR WOOD. SELF CONTAINED NIOSH/MSHA APPROVED BREATHING APPARATUS SHOULD BE WORN WHEN ENTERING A BURNING AREA.

UNUSUAL FIRE AND EXPLOSION HAZARDS: SMOKE AND TOXIC FUMES MAY BE RELEASED WHILE BURNING.

TOYO FIBRE (USA) - ALPHARETTA, GA.
312 MAXWELL ROADE., SUITE 200 - ALPHARETTA, GA. 30004 * 770-346-7616 * FAX 770-346-7618

SECTION V - REACTIVITY DATA

STABILITY: UNSTABLE: STABLE: X CONDITIONS TO AVOID: NA

INCOMPATIBILITY: (MATERIALS TO AVOID) STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON DIOXIDE (CO₂), CARBON MONOXIDE (CO).

HAZARDOUS MAY OCCUR _____ CONDITIONS TO AVOID: NA
 POLYMERIZATION: WILL NOT OCCUR X

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: AS DUST INHALATION? X SKIN? X INGESTION? X

HEALTH HAZARDS: (ACUTE AND CHRONIC) THIS PRODUCT MAY YIELD A NUSANCE DUST WHEN MACHINED OR SANDED.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

SIGNS AND SYMPTOMS OF EXPOSURE: DUST MAY CAUSE MINOR IRRITATION TO EYES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: INHALATION OF DUST MAY AGGRAVATE PRE-EXISTING RESPIRATORY DISORDERS.

EMERGENCY AND FIRST AID PROCEDURES: DUST IN EYES, FLUSH WITH WATER.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: NA

WASTE DISPOSAL METHOD: LANDFILL, OR INCINERATE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: NA

OTHER PRECAUTIONS: NA

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: (SPECIFY TYPE) AVOID INHALATION OF DUST. USE NIOSH/MSHA APPROVED DUST RESPIRATOR IF VENTILATION SYSTEM IS INADEQUATE.

VENTILATION: LOCAL EXHAUST: PREFERRED SPECIAL: NIOSH/MSHA APPROVED DUST RESPIRATOR
 MECHANICAL: (GENERAL) ENSURE ADEQUATE VENTILATION OTHER: AIR FILTERED WORK BOOTHS

PROTECTIVE GLOVES: DESIRABLE TO PREVENT CUTS AND ABRASION.

EYE PROTECTION: SAFETY GLASSES, WITH FACESHIELD IF NECESSARY, OR GOGGLES WHEN MACHINING.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NA

WORK/HYGIENIC PRACTICES: WASH HANDS BEFORE HANDLING FOOD. DO NOT SMOKE, DRINK OR EAT IN DUSTY ATMOSPHERE. DO NOT TAKE INTERNALLY.