Section I — Identity Information

Manufacturer’s Name
OLINER FIBRE CO., INC.
Address (Number, Street, City, State, and Zip Code)
2391 VAUXHALL ROAD
UNION, NEW JERSEY 07083

Emergency Telephone Number
908-688-5800

Telephone Number for Information
908-688-5800

Data 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 (C6H10O5).

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 (H2O = 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
NA
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 (CO2) 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.
Section V — Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td></td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)

STRONG OXIDIZING AGENTS.

Hazardous Decomposition or Byproducts

CARBON DIOXIDE, CARBON MONOXIDE.

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Section VI — Health Hazard Data

Route(s) of Entry:

Inhalation?  X
Skin?  X
Ingestion?  X

Health Hazards (Acute and Chronic)

THIS PRODUCT MAY YIELD AN IRRITANT DUST IF MACHINED OR Sanded.

Carcinogenicity:

NTP?  NA
IARC Monographs?  NA
OSHA Regulated?  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  PREFERRED
Mechanical (General)  SPECIAL
Ensure Adequate Ventilation When Machining or Sanding.

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 OITSUKA, NUMAZU CITY
SHIZUOKA, JAPAN 410-03
011-81-559-88-0367

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 RECOMMENDED % OPTIONAL

THIS PRODUCT IS VULCANIZED FIBRE CONSISTING OF PARTIALLY REGENERATED CELLULOSE
(G4H 1605). OSHA PEL AND ACGIH TLV HAVE NOT BEEN ESTABLISHED FOR THIS MATERIAL.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: NA SPECIFIC GRAVITY: (H2O=1) 1.05 - 1.55
VAPOR PRESSURE: (MM HG) NA MELTING POINT:
VAPOR DENSITY: (AIR = 1) NA EVAPORATION RATE: (BUTYL ACETATE = 1) NA
SOLUBILITY IN WATER: NA

APPEARANCE AND ORDER: COLOR - AS ORDERED, NO ODOR

SECTION IV - FIRE AND EXPLOSION 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: X Stable: X **Conditions to Avoid:** NA

**Incompatibility:** (Materials to Avoid) Strong oxidizing agents

**Hazardous Decomposition or Byproducts:** Carbon dioxide (CO₂), Carbon monoxide (CO)

**Hazardous 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 nuisance 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.