

MATERIAL SAFETY DATA SHEET

550/552 backhand pad top- DUAL MIRROR®, STYLE NUMBER 1086

JOHN TILLMAN COMPANY
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SECTION I PRODUCT IDENTITY

PRODUCT/TRADE NAME(S): DUAL MIRROR®, STYLE NUMBER 1086

PART NUMBER: N/A

MSDS DATE: 4/29/10

CAS #: N/A

CATEGORY: N/A

DISTRIBUTOR: JOHN TILLMAN COMPANY

CHEMICAL NAME: N/A

FORMULA: N/A

BRIEF DESCRIPTION: ALUMINIZED PREOX®/ARAMID BLEND (KORSPUN I®)

SECTION II HAZARDOUS INGREDIENTS & EXPOSURE LIMITS

CHEMICAL NAME	CAS#	%	LIMIT VALUES
ALUMINIZATION (PROPRIETARY)	N/A	15.00	N/A
BLEND FABRIC	N/A	85.0	N/A

SECTION III PHYSICAL/CHEMICAL CHARECTERISTICS

BOILING POINT: N/A

VAPOR PRESSURE (mm Hg): N/A

VAPOR DENSITY (AIR=1): N/A

SOLUBILITY IN WATER: INSOLUABLE

% VOLATILE/ VOLUME: N/A

APPEARANCE AND ODOR: YELLOW-BLACK/ ALUMINUM

pH: NO DATA

SPECIFIC GRAVITY (WATER=1): >1

MISCELLANEOUS INFORMATION: NO CORRESPONDING DATA IN MSDS
PROVIDED BY MANUFACTURER

SECTION IV FIRE AND EXPLOSION HAZARD DATA
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FLASH POINT: N/A
FLAMMABLE LIMITS: N/A
LOWER EXPLOSIVE LIMIT (LEL): NO DATA
UPPER EXPLOSIVE LIMIT (UEL): NO DATA
EXTINGUISHING MEDIA: THE PRODUCT IS SELF-EXTINGUISHING AND TENDS TO SMOLDER IN THE FLAME. EXTINGUISH WITH WATER, CHEMICAL FOAM, DRY CHEMICAL. CO₂, AND/OR SMOTHER.
SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS
UNUSUAL FIRE & EXPLOSION HAZARDS: NO CORRESPONDING DATA IN MSDS PROVIDED BY MANUFACTURER

SECTION V REACTIVITY DATA

STABLE: YES
HAZARDOUS POLYMERIZATION MAY OCCUR: NO
INCOMPATIBILITY (MATERIALS TO AVOID): NO CORRESPONDING DATA IN MSDS PROVIDED BY MFG
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NO CORRESPONDING DATA IN MSDS PROVIDED BY MFG

SECTION VI HEALTH HAZARD DATA

EFFECTS ON EYES: NONE AT NORMAL TEMPERATURES
EFFECTS ON SKIN: NONE AT NORMAL TEMPERATURES
EFFECTS DUE TO INGESTION: NONE AT NORMAL TEMPERATURES
EFFECTS DUE TO INHALATION: NONE AT NORMAL TEMPERATURES
FIRST AID PROCEDURES FOR EYES: N/A
FIRST AID PROCEDURES FOR SKIN: N/A
FIRST AID PROCEDURES FOR INGESTION: CONSULT PHYSICIAN
FIRST AID PROCEDURES FOR INHALATION: REMOVE INDIVIDUAL TO FRESH AIR. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. CONSULT PHYSICIAN.

SECTION VII**PRECAUTIONS FOR SAFE HANDLING AND USE**

IF MATERIAL IS RELEASED OR SPILLED: SEE SECTION VIII

WASTE DISPOSAL METHOD: DISPOSE OF IN COMPLIANCE
WITH FEDERAL, STATE,
AND LOCAL REGULATIONS

PRECAUTIONS TO TAKE IN HANDLING AND STORING: NO CORRESPONDING
DATA IN MSDS PROVIDED
BY MFG

SECTION VIII CONTROL MEASURES

LOCAL EXHAUST: NORMAL

MECHANICAL (GENERAL): NO CORRESPONDING DATA
PROVIDED BY MFG

SPECIAL VENTILATION: NO CORRESPONDING DATA
PROVIDED BY MFG

OTHER VENTILATION: NO CORRESPONDING DATA
PROVIDED BY MFG

PROTECTIVE GLOVES: NONE REQUIRED

EYE PROTECTION: NO CORRESPONDING DATA
PROVIDED BY MFG

WORK/HYGIENIC PRACTICES: AVOID BREATHING FIBERS OR
DUST

RESPIRATORY PROTECTION (SPECIFIC TYPE): IF THERE IS A POTENTIAL FOR
IRRITATION OF THE NASAL
PASSAGES TO OCCUR DUE TO THE
MECHANICAL ACTION OF THE
FIBERS, WEAR A DUST MASK.

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

Section I

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Fibrous glass dust (CAS #: 65997-17-3 15mg/cuM 10 mg/cuM 3 fibers/cc (NIOSH) 5 mg/cu M-respirable				
This product is composed of woven fiberglass fabric comprised of starch binder and vermiculite/acrylic treatment.				

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	2.5
Vapor Pressure (mm Hg)	N/A	Melting Point	>1000F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water Negligible			
Appearance and Odor Black coated fabric/no odor			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) >250 C by TOC	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media Water,carbon dioxide,or dry chemical			
Special Fire Fighting Procedures Thermal decomposition of fiber coating may produce an irritating mixture of smoke and fumes.Fire fighters should wear full protective gear including NIOSH approved self-contained breathing apparatus.			
Unusual Fire and Explosion Hazards None			

Section V - Reactivity Data

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

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? No	Ingestion? N/A
Health Hazards (<i>Acute and Chronic</i>) See attachment			
Carcinogenicity: NTP	No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure Skin, Eye, and respiratory Tract Irritation			
Medical Conditions : Generally Aggravated by Exposure : Any condition generally aggravated by mechanical irritants in air or on skin.			
Emergency and First Aid Procedures : Eye contact, flush with water for 15 minutes-get medical attention if irritation persists. Skin contact: wash with soap and water. Inhalation: Remove to fresh air. Drink water to clear throat and blow nose to evacuate fibers.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Prevent the spread of fiberglass dust and avoid dust generation conditions. Those involved in clean up of particulates should use appropriate personal protective equipment. (see section VIII) Vacuum clean dusts. If sweeping is necessary ,use a dust suppressant.

Waste Disposal Method: In most cases, woven fiberglass scrap can be disposed of in a sanitary landfill in accordance with federal, state and local regulations. Check with local authorities on any questions concerning disposal.

Precautions to Be taken in Handling and Storing: Store and use in a manner that will prevent airborne particulates in the workplace.

Other Precautions None Known

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)Where dust level exceed the TLV, use NIOSH approved respirator to protect against nuisance dusts.

Ventilation	Local Exhaust Recommended for processing machinery where dust generation is apparent.	Special Not normally required
	Mechanical (<i>General</i>)Yes, where local exhaust ventilation is not feasible.	Other Not normally required

Protective Gloves Gloves and barrier creams if necessary	Eye Protection Safety glasses with side shields/goggles
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Other Protective Clothing or Equipment: Work aprons or smocks are recommended,wear loose fitting long sleeved clothing. NIOSH approved air supplied or self contained respirator.

Work/Hygienic Practices: For non routine & emergency situations. Wash thoroughly after

work.Recommend launder work clothes separately and wipe out washer at end of cycle.

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

Health hazards (acute and chronic) OSHA classifies fibrous glass as a nuisance dust.

INHALATION: Acute: Mechanical irritation of the mouth, nose and throat. Chronic: Many studies have been conducted to determine long term effects of fibrous glass inhalation.

Although inconclusive, some research indicated manufacturing employees first employed more than 30 years ago in factories that manufactured glass wool and mineral wool have an increased rate of lung cancer as compared to certain other reference populations. Further study is compared to certain other reference populations..Further study is planned to identify those factors associated with the reported increased rate. Similar findings were not reported regarding employees in textile fiber manufacturing plants.Animal studies have not demonstrated an increased rate of lung cancer when the animals breathed large quantities of glass fibers. Artificial implantation or injection of fine glass fibers into the chest,abdominal cavity or trachea of laboratory animals has produced cancer.SKIN: Acute: Transient mechanical irritation.Chronic: None. EYE: Acute: Direct contact will cause mechanical irritation.Chronic: None. INGESTION: Acute: unlikely to occur. Observe individual. If symptoms of GI irritation develop, consult physician.Chronic: None known.