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I G I A D H E S I V E S  
M A T E R I A L S A F E T Y D A T A S H E E T

=====SECTION I - MANUFACTURER'S INFORMATION=====

MANUFACTURER'S NAME AND ADDRESS  
IGI ADHESIVES, INC.  
6100 CENTENNIAL BLVD.  
NASHVILLE, TN. 37209

EMERGENCY TELEPHONE NUMBERS  
WEEKDAYS (615) 350-8555  
NIGHTS/WEEKENDS (615) 350-8989  
MSDS INFORMATION (615) 350-8555

DATE PREPARED: Revised May 23, 1988

PREPARED BY: Merle Ellis

IDENTITY: 77 X 1586

TRADE NAME: Neoprene Adhesive

===SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION===  
(Specific Chemical Identity; Common Name(s))

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	OTHER LIMITS	CAS#
<u>Methylene Chloride</u>	<u>500 ppm</u>	<u>100 ppm</u>	<u>CEIL 1000 ppm</u> <u>PEAK 2000 ppm</u>	<u>75-09-2</u>
<u>Toluene</u>	<u>200 ppm</u>	<u>100 ppm</u>	<u>STEL 150 ppm</u> <u>CEIL 200 ppm</u> <u>PEAK 500 ppm</u>	<u>108-88-3</u>
<u>Methyl Chloroform</u> <u>(1,1,1-Trichloroethane)</u>	<u>350 ppm</u>	<u>350 ppm</u>	<u>STEL 450 ppm</u>	<u>71-55-6</u>
<u>Diethylene Ether</u> (Skin) *	<u>100 ppm</u>	<u>25 ppm</u>	<u>STEL 100 ppm</u>	<u>123-91-1</u>

\*The Diethylene Ether is an inhibitor in the 1,1,1-Trichloroethane. This product contains more than 0.1% but less than 3.0% Diethylene Ether. Potential risks to humans can be minimized by observing good work practices and personal hygiene procedures.

===SECTION III - PHYSICAL CHEMICAL CHARACTERISTICS===

Boiling Point (F): 104-194 F. Vapor Pressure: 316 @ 20 C. Vapor Density: > 1  
(mm Hg.) (Air=1)

Specific Gravity: 1.317 Melting Point: N/A Evaporation Rate: 10.2  
(Water=1) (Butyl Acetate=1)

Solubility in Water: Slight

Appearance and Odor: Yellow, black, red, green, -55, brown; color, liquid, solvent odor.

===SECTION IV - FIRE AND EXPLOSION HAZARD DATA===

Flash Point (F): None Method Used: TCC

Flammable Limits: (LEL) 8.0% (UEL) 10.5%

Extinguishing Media: CO2, Dry Chemical, Foam, Halon.

Special Fire Fighting Procedures: Self-contained breathing apparatus must be worn.

Unusual Fire and Explosion Hazards: Cool drums with water spray to prevent pressure

## ===SECTION V - REACTIVITY DATA===

STABILITY: Stable: XXX Unstable: \_\_\_\_\_Incompatibility (Materials to Avoid): Active metals such as Aluminum, Zinc, Magnesium, etc. Strong acids or bases.Hazardous Decomposition or Byproducts: Phosgene, HCL, Carbon Monoxide may be evolved.Hazardous Polymerization: May Occur: \_\_\_\_\_ Will Not Occur: XXXConditions to Avoid: Contact with active metals such as Aluminum, Zinc, Magnesium, etc.

## ===SECTION VI - HEALTH HAZARD DATA===

ROUTES OF ENTRYINGESTION:ACUTE HEALTH HAZARDS: Unlikely route of exposure. Ingestion of small quantities is not likely to be toxic.CHRONIC HEALTH HAZARDS: N/EEMERGENCY AND FIRST AID PROCEDURES: When this product has been swallowed, get medical attention immediately, because rapid absorption may occur through lungs if aspirated and cause systemic effects. The decision of whether to induce vomiting or not should be made by the attending physician.SKIN:ACUTE HEALTH HAZARDS: May cause skin irritation or dermatitis. If the material is held in contact with the skin, it may cause burns. This product may be absorbed through the skin.CHRONIC HEALTH HAZARDS: Reproductive abnormalities have been noted in studies of animals exposed to high concentrations.EMERGENCY AND FIRST AID PROCEDURES: If this product comes in contact with the skin, promptly wash the contaminated skin using soap and water or a skin cleanser. If this product soaks through the clothing, remove the clothing promptly and wash the skin with soap and water or a skin cleanser. If irritation persist after washing, get medical attention. Do not wear contaminated clothing before laundering.EYES:ACUTE HEALTH HAZARDS: High vapor concentrations may be seriously damaging or irritating to the eyes. If this product is splashed into the eye, it is painfully irritating, but is not likely to cause serious injury.CHRONIC HEALTH HAZARDS: N/EEMERGENCY AND FIRST AID PROCEDURES: If this product gets in the eyes, wash eyes immediately with large amounts of water, lifting the lower and upper lids occasionally. If irritation is present after washing, get medical attention. Contact lenses should not be worn when working with this product.

## ===SECTION VI - HEALTH HAZARD DATA CONT'D===

## ROUTES OF ENTRY:

## INHALATION:

ACUTE HEALTH HAZARDS: This product is an anesthetic. Inhaling the vapors may cause mental confusion, light headedness, nausea, irritation to the respiratory tract, vomiting and headache. Continued exposure at extremely high levels may cause staggering, unconsciousness, and asphyxiation.

CHRONIC HEALTH HAZARDS: N/R

EMERGENCY AND FIRST AID PROCEDURES: If a person breathes in large amounts of this product, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the affected person warm and at rest. Get medical attention as soon as possible.

Carcinogenicity:	NTP?	IRAC Monographs?	OSHA Regulated?
	Yes: ___ No: <u>XXX</u>	Yes: ___ No: <u>XXXX-</u>	Yes: ___ No: <u>XXXX</u>
	1985	<u>Animals indefinite 20,449,79</u>	
		<u>Animals indefinite 20,515,79</u>	
		<u>Animal Positive 11,247,76</u>	

Medical Conditions Generally Aggravated by Exposure: Impaired liver and renal functions, cardiac disease and pre-existing skin disorders.

## ===SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE===

Steps to be taken in case Material is Released or Spilled: Ventilate area. Contain spill. Clean up area by wiping, mopping or absorption with an absorbent material. Transfer material to a metal container. Avoid breathing vapors. Wear appropriate respirator and protective clothing.

Waste Disposal Method: Contaminated absorbent material or waste product must be disposed of in accordance with regulations in the Resource Conservation and Recovery Act and/or State, local or EPA regulations.

Precautions to be taken in Handling and Storing: Avoid contact with skin and avoid breathing vapors. Pipe vents outdoors. Store in cool, dry ventilated area. Vapors are heavier than air and will collect in low areas.

Other Precautions: No smoking in presence of vapors. Prevent moist air from entering storage area. Avoid prolonged contact with or storage in aluminum and its alloys. Contact with aluminum parts in a pressurizable fluid system may cause violent reactions.

## ===SECTION VIII - CONTROL MEASURES===

Respiratory Protection (Specify) Type: If exposure may or does exceed occupational exposure limits use a NIOSH/MSHA approved respirator to prevent overexposure. Use either a self-contained air supplied respirator or organic vapor respirator in accordance with 29 CFR 1910.134.

Ventilation:

Local Exhaust: Yes, generally required to reduce exposure to below OSHA allowable levels.

Mechanical (General): Not generally required if local exhaust ventilation is provided. If room air is not recirculated, but exhausted, may be adequate.

Special Exhaust: N/A

Other: Galvanized or Aluminum materials may be reactive with this product.

Protective Gloves: Employees should be provided with impervious gloves if direct skin contact is made with the product in a liquid state.

Eye Protection: Chemical Safety goggles, glasses or face shield (8" minimum) should be worn if a splash hazard is present. Contact lenses should not be worn when using this product.

Other Protective Clothing or Equipment: Impervious clothing should be worn to prevent repeated or prolonged skin contact with the product in a liquid state.

Special Work/Hygienic Practices: Wash hands with soap and water or a skin cleanser before eating, drinking, smoking, or using toilet facilities.

The following codes are being used:

N/A means: Not Applicable  
N/E means: Not Established

Occupational Safety and Health Administration

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME M. J. ...		EMERGENCY TELEPHONE NO. 404-382-1054
ADDRESS (Number, Street, City, State, and ZIP Code)		
CHEMICAL NAME AND SYNONYMS Cellular Modified Poly Vinyl Chloride		TRADE NAME AND SYNONYMS Anti-Fatigue Mats
CHEMICAL FAMILY N/A	FORMULA N/A	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
SECTION II - NOT APPLICABLE					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	35
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (AIR=1)	N/A
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR Cellular Foam - No Odor			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Let	Uel
N/A	N/A		
EXTINGUISHING MEDIA Water spray, dry chemical or CO <sub>2</sub>			
SPECIAL FIRE FIGHTING PROCEDURES None			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

**SECTION VI: REACTIVITY DATA**

Stability	Stable	<input checked="" type="checkbox"/>	Conditions to avoid: <b>Avoid strong oxidizing agents</b>
	Unstable	<input type="checkbox"/>	

Incompatibility (Materials to Avoid) **N/A**

Hazardous decomposition products: **Carbon, carbon monoxide, carbon dioxide, and organic vapors may be produced during thermodecomposition.**

Hazardous Polymerization:	May occur	<input type="checkbox"/>	Conditions to avoid:
	Will not occur	<input checked="" type="checkbox"/>	

**SECTION VII: SPILL, LEAK, AND DISPOSAL PROCEDURES**

SPILLS, LEAKS: (Steps to be taken) **N/A**

WASTE DISPOSAL METHOD: **Reclaim, where possible. This material, when disposed of, is not an RCRA hazardous waste. Dispose of in accordance with local and state regulations.**

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory protection (Specify Type)  
**Not normally required**

Ventilation:	Local Exhaust	<b>N/A</b>	Special	<b>N/A</b>
	Mechanical (General)	<b>N/A</b>	Other	

Protective gloves: **N/A**      Eye Protection: **Safety glasses for general protection**

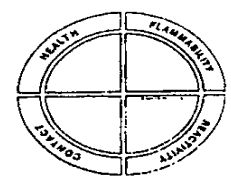
Other protective equipment and precautions **N/A**

**SECTION IX: SPECIAL PRECAUTIONS AND COMMENTS**

Storage & Handling Information  
**Best stored in clean dry location**

Other Precautions **N/A**

DOT Class **N/A**



Hazard Identity

Judgements as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, \_\_\_\_\_ extends no warranties, makes no representations and assumes no responsibility as to accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

Signed Richard T. Merle  
Title Vice President/Manufacturing

Wearwell Mats / Tennessee Mat  
Glee that holds the Backing On



SMOOTH ANTI-Fatigue MATS

5280, 5282, 5284, 5286, 5288

MATERIAL SAFETY DATA SHEETS

(Essentially the Same as U.S. Dept. of Labor Form OSHA-20)

\*\*\*\*\*  
SECTION I

CHEMICAL NAME AND SYNONYMS:

TRADE NAMES AND SYNONYMS: Synthetic Resin

CHEMICAL FAMILY: Poly Vinyl Acetate Emulsion

FORMULA: BSA 8035

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Components (Chemical name/Common name)	OSHA PEL	ACGIH TLV	% (Optional)	CAS. Reg

HMIS HAZARD CODES: Health/Flammability/Reactivity/Personal Protection: 2-0-1-C

Substances listed in the ingredients section are those identified as being present at a concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in OSHA Hazard Communications Standard.

SECTION III - PHYSICAL DATA

Boiling Point (°F): 212°	Specific Gravity (H <sub>2</sub> O=1): 1.10 - 1.20
Vapor Pressure (mm Hg.): 22.0	Percent, Volatile by volume (%): appx. 50%
Vapor Density (Air=1): 3.14	Evaporation Rate (Water=1): of water
Solubility in Water: soluble	
Appearance and Odor: white syrup, sl. sweet odor.	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NONE	Flammable Limits:	Lel	Uel
Extinguishing Media: For dried adhesive, use water or chemical foam.		N/A	N/A
Special Fire Fighting Procedures: Do not contact oxidizers			
Unusual Fire and Explosion Hazards: NONE			

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**SECTION V - HEALTH HAZARD DATA**

Threshold Limit Value: See Section II  
 Effect of Overexposure: Vomiting, skin rash  
 Eyes: Slight irritation - may cause minor burns or rash  
 Skin: Slight irritation - may cause minor burns or rash  
 Inhalation: Essentially non-irritating  
 Ingestion: Irritating - may cause slight burns and vomiting  
 Emergency/First Aid Procedures:  
 Eyes: Rinse with large quantities of water for 20 min. while holding eyelids apart. Never introduce ointment or oil into the eyes without medical advice.  
 Skin: Remove contaminated clothing. Launder before reuse. Rinse affected area for 20 min. with large quantities of water.  
 Inhalation: Should not cause problems, but if they do occur, remove to a well-ventilated area.  
 Ingestion: Small ingested amounts are not believed to produce adverse health effects. Larger amounts (at least several ounces) should be removed from the stomach by induced vomiting or aspiration. No adverse health effects are anticipated. Call a physician.  
 Primary Route of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes  
 Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No  
 Medical Conditions Generally aggravated by exposure: None

**SECTION VI - REACTIVITY DATA**

Stability: Unstable: Stable:  Conditions to avoid: None  
 Compatibility (materials to avoid): Do not contact strong acids or oxidizer.  
 Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.  
 Hazardous Polymerization: May Occur: Will Not Occur:   
 Conditions to Avoid: N/A

**SECTION VII - SPILL OR LEAK PROCEDURES**

Steps to be taken in case material is released or spilled: Contain spill in as small an area as possible. Soak up on neutral floor absorbent and shovel into drum for disposal.  
 Waste disposal method: Follow local disposal codes.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

Respiratory protection (specify type): None  
 Ventilation: Local Exhaust: Necessary Special: None  
 Mechanical (general): Necessary Other: None  
 Protective Gloves: Rubber or BUNA-N Eye Protection: Goggles or safety glasses  
 Other Protective Equipment: None

**SECTION IX - SPECIAL PRECAUTIONS**

Precautions to be taken in handling and storing: For industrial use only. Store in a cool dry area. Keep container closed. Keep out of reach of children. Do not take internally. Containers when emptied may be hazardous. Use caution; do not reuse.  
 Other Precautions: Use proper personal protective equipment.



# Tile-Top Anti Fatigue Mats

## MATERIAL SAFETY DATA SHEET Rubber Glue Tile-Top SpongeCote™ No. 424

**Tennessee Mat Company**

**Telephone** - Technical: 615/254-8381  
Fax: 615/255-4428

**Chemical Name and Synonyms:** Neoprene Adhesive

### Section II: All Ingredients.

Methylene Chloride, Toulene, Methyl Chloroform, Diethylene Ether.

### Section III: Physical Data

Boiling Point - 104-194F	Specific Gravity (water = 1) -1.317
Vapor Density - >1	% Volatile By Volume - N/A
Vapor Pressure - 316 @20C	Evaporation Rate (Butyl Acetate = 1) 10.2
Solubility In Water - Slight	Melting Point - N/A
Appearance and Odor: Yellow, black, red, green, -55, brown, color, liquid, solvent odor..	

### Section IV: Fire and Explosion Hazard Data

Flash Point - None  
Extinguishing Media - Carbon Dioxide, Halon , Foam and Dry Chemical.  
Unusual Fire and Explosion Hazards: None Known.

### Section V: Health Hazard Data

Effects of overexposure: N/A

### Section VI: Reactivity Data

Stability - Stable  
Incompatibility - Active metals such as Aluminum, Zinc, Magnesium, etc.  
Hazardous Decomposition Products - Phosgene, HCL, Carbon Monoxide may be evolved.

### Section VII: Spill or Leak Procedures

Ventilate area. Contain spill. Clean up area by wiping, mopping or absorption with an absorbent material. Transfer material to a metal container. Avoid breathing vapors. Wear respirator and protective clothing.

### Section IX: Special Precautions

Ventilation - Generally required if local exhaust ventilation is provided. If room air is not recirculated, but exhausted, may be adequate.  
Eye - Chemical Safety goggles required.  
Gloves - Wear impervious gloves  
Other Clothing or Equipment: Impervious clothing.