1. Identification

Product Name: **MPS 4000 Adhesive**
Synonyms: N/A
CAS Number: Mixture
Product Use: Install marine decks
Manufacturer/Supplier: Teakdecking Systems, Inc.
Address: 7061 15th Street East
Sarasota, Florida 34243 USA
Business Phone: +1 941 756-0600
Emergency Phone: +1 941 756-0600

2. Hazards Identification

GHS Classification:

Health	*Environmental*	*Physical*
Acute Oral Toxicity Cat. 5		
Eye Irritation Cat. 2B		
Skin Irritation Cat. 3		
Skin Sensitization Cat. 1		
Respiratory Sensitization Cat. 1		
SE Cat. 3		
Aquatic Chronic Toxicity Cat. 4		

GHS Label:

Warning

GHS Hazard Statements:
H303 May be harmful if swallowed.
H316 Causes mild skin irritation.
H317 May cause an allergic skin reaction.
H320 Causes eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H413: May be harmful to aquatic life with long-lasting effects.

GHS Precautionary Statements:
P261 Avoid breathing fume.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves, clothing, and eye protection.
P284 Wear respiratory protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P304 + P340 If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/containers in accordance with all local, regional, national and international regulations.

3. Composition / Information on Ingredients

Component	*CAS Number*	*Weight %*
Isophorone Diisocyanate	*4098-71-9*	*0.1-0.5%*

The remaining ingredients are omitted under the Confidential Business Information (CBI) rules.
(See Section 8 for Exposure Limits)

4. First Aid Measures

Eye: Flush immediately with large amounts of water for at least 20 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing.
Skin: Flush immediately with plenty of water and remove contaminated clothing and shoes. Flush skin for a minimum of 20 minutes if irritation occurs. Seek medical attention if irritation persists. Wash contaminated clothing before reuse.

Inhalation: If dusts of this material are inhaled, remove victim to fresh air.

Ingestion: If this material is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING, unless directly by medical personnel. Have victim rinse mouth with water or give several cupfuls of water, if conscious. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration.

5. Fire Fighting Measures

Flash Point: >93.2°C (>200°F)

Suitable Extinguishing Media: Use extinguishing material suitable to the surrounding fire, including foam, halon, carbon dioxide and dry chemical.

Unusual Fire and Explosion Hazards: N/A

Combustion Products: Irritating or toxic substances may be emitted upon thermal decomposition.

Precautions for Fire Fighters: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move containers from fire area if it can be done without risk to personnel. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

6: Accidental Release Measures

Small and Large Spills: Spread should be limited by gently covering the spill with polypads. Scrape up or pick-up spilled material, placing in suitable containers. Absorb any residual on appropriate material, such as sand. All contaminated absorbents and other materials should be placed in an appropriate container and seal. Do not mix with wastes from other materials. Dispose of in accordance with applicable Federal, State, and local procedures

7. Handling and Storage

Handling: Keep container closed. Do not breathe vapors or mists. Use only with adequate ventilation. Do not get in eyes, on skin, or on clothing. Use good personal hygiene practices. Wash hands before eating, drinking, or smoking. Remove contaminated clothing and clean before reuse. Destroy contaminated belts, shoes, and other items that cannot be decontaminated.

Storage: Store in tightly closed containers in cool, dry, well-ventilated area. Store at ambient temperature and out of direct sunlight. Keep containers tightly closed when not in use. Protect against physical damage.

8. Exposure Controls / Personal Protection

Exposure Limits:

Component	*CAS Number*	*Guideline*	*Value*
Isophorone Diisocyanate	*4098-71-9*	*ACGIH TLV TWA*	*0.005 ppm*
		OSHA PEL TWA	*0.005 ppm (vacated 1989 PEL)*
		OSHA PEL STEL	*0.02 ppm [skin] (vacated 1989 PEL)*
		NIOSH REL TWA	*0.005 ppm [skin]*
		NIOSH REL STEL	*0.02 ppm [skin]*
		DFG MAK TWA	*0.005 ppm*
		DFG MAK PEAK	*1MAK 15 minute average value, 1-hr interval, 4 per shift*

Engineering Controls: Local exhaust ventilation may be necessary to control air contaminants to exposure limits. The use of local ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment (PPE)

Eye Protection: Wear chemical safety glasses.

Skin Protection: Avoid skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including use of aprons, face shields, boots, or full body protection.

Respiratory Protection: Not needed under normal exposure conditions in an industrial setting. If exposure limits are exceeded, NIOSH approved respiratory protection should be worn.

Work and Hygienic Practices: Provide readily accessible eye wash stations and safety showers. Wash at the end of each work shift and before eating, smoking, or using the toilet. Promptly remove clothing that becomes contaminated.

9. Physical and Chemical Properties

Appearance:	White paste
Odor:	Mild
pH:	NA
Melting Point:	No Data
Boiling Point:	100-104°C (212-220°F)
Flashpoint:	>93.2°C (>200°F)
Autoignition Temperature:	No Data
Lower Flammability Limit:	No Data
Upper Flammability Limit:	No Data

Vapor Pressure:	No Data
Vapor Density (Air=1):	No Data
Specific Gravity:	1.3-1.4
% Solubility in Water:	Insoluble
Pour Point:	N/A
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Viscosity:	No Data

10. Stability and Reactivity

Chemical Stability: Stable

Incompatibility (Materials to Avoid): Extreme temperatures, strong acids, oxidizers, aluminum, ammonium salts, and mercury/hydrogen mixtures.

Hazardous Decomposition Products (from burning, heating, or reaction with other materials): Formaldehyde, carbon oxides, nitrogen oxides, hydrogen cyanide, isocyanates, and isocyanic acid.

Hazardous Polymerization: Will not occur.

Conditions to Avoid (if polymerization may occur): N/A

11. Toxicological Information

Routes of Exposure:

Eye Contact

Skin Contact

Signs and Symptoms of Exposure (Acute Effects): Contact may mildly irritate the skin and cause redness and discomfort. Prolonged or repeated skin contact may cause dermatitis (dry, red skin). Eye contact may cause redness, pain, and tearing.

Signs and Symptoms of Exposure (Possible Long Term Effects): Repeated and/or prolonged exposure may cause allergic reaction/sensitization. Repeated and/or prolonged exposure may result in adverse eye effects such as conjunctivitis and/or adverse skin effects (such as defatting, rash, or irritation).

Medical Conditions Generally Aggravated By Exposure:

Allergies

Eye disease

Skin disorders

Carcinogens under OSHA, ACGIH, NTP, IARC, Other: This product contains no carcinogens in concentrations of 0.1 percent or greater.

Target Organ Effects: N/A

Chronic Effects: N/A

Acute Toxicity Values:

Oral LD_{50} (Rat) = No Data

Dermal LD_{50} (Rabbit) = No Data

Inhalation LC_{50} (Rat) = No Data

12. Ecological Information

Ecotoxicity:	No Data
Environmental Fate:	No Data
Additional Information:	Waste from this product may present long term environmental hazards, thus landfill disposal must be considered less acceptable than incineration.

13. Disposal Considerations

Comply with all federal, state, and local regulations.

14. Transport Information

DOT Non-Bulk Shipping Name: This product is NOT classified as Dangerous Goods, per U.S. DOT regulations, under 49 CFR 172.101.

DOT Bulk Shipping Name: Refer To Bill of Lading

Canada Transport of Dangerous Goods Regulations: This product is NOT classified as Dangerous Goods, per regulations of Transport Canada.

IMO Shipping Data: This product is not classified as dangerous goods, per the International Maritime Organization.

ICAO/IATA Shipping Data: This product is NOT classified as dangerous goods, per the International Air Transport Association.

15. Regulatory Information

U.S. Federal Regulations

Toxic Substances Control Act (TSCA): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

OSHA Hazard Communication Standard (29CFR1910.1200) Hazard Class(es): Irritant/Sensitizer

SARA Section 311/312 (40 CFR 370) Hazard Categories: The following components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

Component	*SECTION 302 EHS (TPQ) (40 CFR 355, Appendix A)*	*SECTION 304 RQ (40 CFR Table 302.4)*	*SECTION 313 TRI (threshold) (40 CFR 372.65)*
Isophorone Diisocyanate	*Yes*	*Yes*	*Yes*

U.S. SARA 302 EXTREMELY HAZARDOUS THRESHOLD PLANNING QUANTITY (TPQ): Isophorone Diisocyanate: 500 lb (227 kg)
U.S. SARA 304 EXTREMELY HAZARDOUS REPORTABLE QUANTITY (RQ): Isophorone Diisocyanate: 500 lb (227 kg)
U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21): ACUTE: Yes; CHRONIC: Yes; FIRE: No; REACTIVE: No; SUDDEN RELEASE: No
U.S. CERCLA REPORTABLE QUANTITY (RQ): Not applicable.
U.S. CLEAN AIR ACT (CA 112r) THRESHOLD QUANTITY (TQ): Not applicable.
OTHER U.S. FEDERAL REGULATIONS: Not applicable.

State Regulations

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): No component of this product is found on the Proposition 65 List of chemicals known to the state to cause cancer.

International Regulations

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are listed on the DSL Inventory.
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA Priorities Substances Lists.
CANADIAN WHMIS REGULATIONS: This product is classified as a Controlled Product, Hazard Class D2B (Immediate Acute Toxicity/Irritation & Sensitization) as per the Controlled Product Regulations.

16. Other Information

National Fire Protection Association (NFPA) Ratings:

Health: 2
Flammability: 1
Reactivity: 0

This information is intended solely for the use of individuals trained in the NFPA system.

Disclaimer: The information contained herein is accurate to the best of our knowledge. My company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.