

# STAIR ARMOR™

## HEAVY-DUTY STAIR PROTECTION



# RAM BOARD

### SECTION 1: IDENTIFICATION

Product Identifier	Recycled Paperboard
Company Identification	Ram Board® Inc. 8450 185th Street Tinley Park, IL 60441 1 (818)-848-0400
Emergency Number	Toll free: +1 866 519 4752 Access Code: 335019 +1 760-476-3962, Access Code: 335019
Recommended Use	Surface Protection

### SECTION 2: HAZARD IDENTIFICATION

Classification	Recycled Paperboard. This product as sold is NOT considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, downstream processing, such as slitting, skiving, grinding, etc., can generate combustible cellulose dust.
Combustible Dust	Yes
Signal Word	Warning
Warning	May cause combustible dust concentrations in air
Appearance	Brown
Physical State	Paper Solid
Odor	None
Precautionary Statements - Prevention	Obtain Special Instructions before use
Unknown Toxicity	106% of the mixture consists of ingredient(s) of unknown toxicity
Other information	May cause slight eye irritation



### SECTION 3: COMPOSITION

Chemical Name	Maize starch
CAS Number	9005-25-8
Weight-%	3 - 7
Chemical Name	Calcium carbonate
CAS Number	471-34-1
Weight-%	1 - 5

### SECTION 4: FIRST-AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact	Wash with soap and water
Inhalation	Remove to fresh air
Ingestion	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
Notes to Physician	Treat symptomatically

### SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use water, dry chemical, carbon dioxide, or foam as appropriate for surrounding fire.
Unsuitable Extinguishing Media	None
Specific hazards arising from the chemical	Avoid generation of dust. Fine dust dispersed in air may ignite.
Uniform Fire Code	COMBUSTIBLE DUST/POWDER
Hazardous Combustion Products	Carbon oxides
Explosion Data	Sensitivity to Mechanical Impact: No Sensitivity to Static Discharge: Yes (dust)
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with eyes. Ensure adequate ventilation. Avoid generation of dust. Use personal protective equipment as required. Do not breathe dust. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges.
Other Information	Refer to protective measures listed in Sections 7 and 8.
Environmental Precautions	Refer to protective measures listed in Sections 7 and 8.
Methods for Containment	Prevent further leakage or spillage if safe to do so. Prevent dust cloud.
Methods for cleaning up	Take up with inert, damp, non-combustible material using clean non-sparking tools and place into loosely covered plastic containers for later disposal.

### SECTION 7: HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges.
Storage	Store in a dry, cool and well-ventilated place away from open flame and other sources of ignition.
Incompatible Products	Strong mineral acids, strong oxidizers.

### SECTION 8: EXPOSURE CONTROLS

Chemical Name	Maize starch
CAS Number	9005-25-8
ACGIH TLV	TWA: 10 mg/m <sup>3</sup>
OSHA PEL	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction
NIOSH IDLH	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust

# SAFETY DATA SHEET (SDS)

## SECTION 8: EXPOSURE CONTROLS CONT.

Chemical Name	Calcium carbonate
CAS Number	471-34-1
OSHA PEL	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 15 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>
NIOSH IDLH	TWA: 5 mg/m <sup>3</sup> respirable dust TWA: 10 mg/m <sup>3</sup> total dust

ACGIH TLV: American Conference of Governmental Industrial Hygienists  
- Threshold Limit Value OSHA PEL: Occupational Safety and Health  
Administration - Permissible Exposure Limits NIOSH IDLH Immediately  
Dangerous to Life or Health

Other Exposure Guidelines	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters
Engineering Measures	Showers, Eyewash stations, Ventilation systems
Eye/face Protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	No special protective equipment required.
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Paper, Solid
Appearance	Brown
Color	N/A
Odor	None
pH	6 - 9
Melting / freezing point	N/A
Boiling point / boiling range	N/A
Flash Point	662°F (350°C)
Evaporation Rate	N/A
Flammability (solid, gas)	N/A
Flammability Limit in Air	N/A
Upper flammability limit	N/A
Lower flammability limit	Dust – 30,000 mg/m <sup>3</sup>
Flammability (solid, gas)	N/A
Vapor pressure	N/A
Vapor density	N/A
Specific Gravity	N/A
Water Solubility	Insoluble
Solubility in other solvents	N/A
Partition coefficient: n-octanol/water	N/A
Autoignition temperature	N/A
Decomposition temperature	N/A
Kinematic viscosity	N/A
Dynamic viscosity	N/A

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES CONT.

Explosive properties	N/A
Oxidizing properties	N/A
Softening Point	N/A
VOC Content (%)	N/A
Particle Size	N/A
Particle Size Distribution	N/A

## SECTION 10: STABILITY AND REACTIVITY

Reactivity	N/A
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	None under normal processing
Hazardous Polymerization	Hazardous polymerization does not occur
Conditions to avoid	Excessive heat. Heating in air. Dust formation
Incompatible materials	Strong mineral acids, strong oxidizers
Hazardous Decomposition Products	Carbon oxides

## SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye Contact	N/A
Skin Contact	N/A
Ingestion	N/A
Chemical Name	Calcium carbonate
CAS Number	471-34-1
Oral LD50	= 6450 mg/kg ( Rat )
Dermal LD50	-
Inhalation LD50	-
Sensitization	N/A
Mutagenic Effects	N/A
Carcinogenicity	Contains no ingredient listed as a carcinogen
Reproductive toxicity	N/A
STOT - single exposure	N/A
Chronic Toxicity	No known effect based on information supplied
Target Organ Effects	Eyes. Respiratory system. Skin.
Aspiration Hazard	N/A

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	The environmental impact of this product has not been fully investigated
Persistence and Degradability	N/A
Bioaccumulation	N/A
Other adverse effects	N/A

## SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated Packaging	Dispose of contents/containers in accordance with local regulations.

**SECTION 14: TRANSPORT INFORMATION**

DOT	Not Regulated
Proper Shipping Name	Not Regulated
Hazard Class	N/A
TDG	Not Regulated
MEX	Not Regulated
ICAO	Not Regulated
IATA	Not Regulated
Proper Shipping Name	Non Regulated
Hazard Class	N/A
IMDG/IMO	Not Regulated
Hazard Class	N/A
RID	Not Regulated
ADR	Not Regulated
ADN	Not Regulated

**SECTION 15: REGULATORY INFORMATION**

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL
SARA 313	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
SARA 311/312 Hazard Categories:	
Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No
Clean Water Act	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)
CERCLA	This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.
California Proposition 65	This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Maize starch 9005-25-8		×	×		
Calcium carbonate 471-34-1	×	×	×		
Kaolin 1332-58-7	×	×	×		

**International Regulations - Mexico**

National occupational exposure limits:

Component	Calcium carbonate
CAS number	471-34-1 ( 1 - 5 )
Exposure Limits	Mexico: TWA 10 mg/m3 Mexico: STEL 20 mg/m3

**International Regulations - Canada**

WHMIS Hazard Class	Not determined
--------------------	----------------

**SECTION 16: OTHER INFORMATION**

NFPA	Health Hazards: 1 Flammability: 1 Instability: 0 Physical and Chemical Hazards: -
HMIS	Health Hazards: 1 Flammability: 1 Physical Hazard: 0 Personal Protection: X

*While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for this purpose. There is no warranty of fitness for a particular purpose. Our standard term and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential, exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.*

# STAIR ARMOR™

## TRACTION TAPE

### SECTION I: IDENTIFICATION

Product Identifier	Foam Traction Tape
Company Identification	Ram Board® Inc. 8450 185th Street Tinley Park, IL 60441 1 (818)-848-0400
Emergency Number	Toll free: +1 866 519 4752 Access Code: 335019 +1 760-476-3962, Access Code: 335019
Recommended Use	Surface Protection

### SECTION 2: HAZARD IDENTIFICATION

No hazard identification necessary under expected uses.

### SECTION 3: COMPOSITION

N/A. Material is exempt from regulation because it is an "article" per the definition from Title 29 of the Code of Federal Regulations, OSHA Part 1910. 1200© (copied below).

*Definitions.* Article means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g. minute or trace amounts of a hazardous chemical (as determined under paragraphs (d) of this section), and does not pose a physical hazard or health risk to employees.

### SECTION 4: FIRST-AID MEASURES

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If large quantities are swallowed, call a physician immediately.

### SECTION 5: FIRE-FIGHTING MEASURES

Flash Point and Flammable Limits are not applicable.

Extinguishing Media:	ABC, CO <sub>2</sub> , Water
Special Fire Fighting Procedures:	Self-contained breathing apparatus
Unusual Fire and Explosion Hazards:	Generation of Hydrogen Chloride (HCl) fumes
Hazardous Products of Combustion:	Carbon Monoxide (CO) and HCl

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill and leak procedures are not applicable.

### SECTION 7: HANDLING AND STORAGE

No special precautions needed.



# RAM BOARD

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

No protective requirements are necessary under normal use. Eye protection is recommended if slicing. Local exhaust is recommended if thermoforming material.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Since these products are not liquids, physical characteristics such as boiling point, vapor pressure, vapor density, percent volatile, evaporation rate, etc. are not applicable.

### SECTION 10: STABILITY AND REACTIVITY

Material is stable. Keep away from fire.

Incompatibility:	None known
Hazardous Decomposition Products:	Thermal decomposition may produce CO, CO <sub>2</sub> , & HCl

### SECTION 11: TOXICOLOGICAL INFORMATION

No data available.

### SECTION 12: ECOLOGICAL INFORMATION

No data available.

### SECTION 13: DISPOSAL CONSIDERATIONS

No special precautions needed.

Waste Disposal Method: Landfill (in accordance with local disposal regulations.)

### SECTION 14: TRANSPORT INFORMATION

No special precautions needed.

### SECTION 15: REGULATORY INFORMATION

None known. No chemical safety assessment has been carried out for these materials by the supplier.

### SECTION 16: OTHER INFORMATION

Last updated: 12/9/2020

*While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for this purpose. There is no warranty of fitness for a particular purpose. Our standard term and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential, exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.*

© 2020 Ram Board, Inc. All rights reserved. Product names & attributes trademark of Garland Surface Protection, Inc. where applicable.

# STAIR ARMOR™

## CLEAR, BULLNOSE TAPE

The product listed below is an "article," and therefore is not subject to the Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard, 29 CFR 1910.1200(b)(6)(v), and 1910.1200(c) which defines an "Article," as a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees. For this product, an article, a Safety Data Sheet (SDS) has not been prepared, as none is required under OSHA. However, this Article Information Sheet document was prepared as a courtesy for our customers.

### SECTION I: IDENTIFICATION

Product Identifier	Clear Tape
Company Identification	Ram Board® Inc. 8450 185th Street Tinley Park, IL 60441 1 (818)-848-0400 (877) 447-4832
Emergency Number	(877) 447-4832
Recommended Use	Surface Protection

### SECTION 2: HAZARD IDENTIFICATION

This product is exempt from OSHA's Hazard Communication Standard (29 CFR 1910.1200). However, this product should not present a health or safety hazard under recommended or normal use of the product.

### SECTION 3: COMPOSITION

Ingredient	Pressure Sensitive Tape
Weight Percentage	100%

\*chemical identities and percentage formulations are withheld as proprietary information.

### SECTION 4: FIRST-AID MEASURES

Eye Contact:	No need for first aid measures is anticipated under recommended/normal use conditions.
Skin Contact:	No need for first aid measures is anticipated under recommended/normal use conditions.
Inhalation:	No need for first aid measures is anticipated under recommended/normal use conditions.
Ingestion:	No need for first aid measures is anticipated under recommended/normal use conditions.



# RAM BOARD

### SECTION 5: FIRE-FIGHTING MEASURES

Flash Point:	N/A
Flammable Limits - LEL:	N/A
Flammable Limits - UEL:	N/A
Auto Ignition Temperature:	N/A
Extinguishing Media:	Water Spray, Dry Chemical, Foam
Special Firefighting Procedures:	Wear full protective equipment and a self-contained breathing apparatus
Unusual Fire & Explosion Hazards:	N/A

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency Procedures:	N/A
Environmental precautions:	N/A
Cleanup Methods and Materials:	N/A

### SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:	This product, an article, does not release or otherwise result in any hazardous chemical exposure under recommended/normal use conditions.
Conditions for safe storage: (including any incompatibilities)	No special storage requirements are necessary for this product.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	This product is exempt from OSHA's Hazard Communication Standard (29 CFR 1910.1200). However, this product should not present a health or safety hazard under recommended or normal use of the product.
Engineering Controls:	(see above)
Eye Protection:	(see above)
Skin Protection:	(see above) However, frequent skin contact should be avoided and gloves not normally needed, under recommended/normal use conditions.
Respiratory Protection:	Not required under recommended/normal use conditions.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Auto Ignition Temperature:	N/A
Boiling Point:	N/A
Color:	Varies by product (multiple colors)
Density:	N/A
Evaporation Rate:	N/A
Flash Point:	N/A
Melting Point:	N/A
Physical Form:	Solid
Ph:	N/A
Solubility/Water:	Nil
Solubility/Non-Water:	N/A

# STAIR ARMOR™

CLEAR, BULLNOSE TAPE

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES CONT.

Specific Gravity: N/A  
Vapor Density: N/A  
Vapor Pressure: N/A  
Viscosity: N/A  
Volatile Percent: N/A

## SECTION 10: STABILITY AND REACTIVITY

Stability: Stable  
Conditions to Avoid: None Known  
Materials to Avoid: None Known  
Hazardous Polymerization: This product, an article, does not release or otherwise result in any hazardous chemical exposure under recommended/normal use conditions.  
Hazardous Decomposition: (see above)

## SECTION 11: TOXICOLOGICAL INFORMATION

This product, an article, does not release or otherwise result in any hazardous chemical exposure under recommended/normal use conditions.

## SECTION 12: ECOLOGICAL INFORMATION

This product, an article, is expected to present a low, if any, risk to the environment, as (i) its use and disposal are unlikely to result in any significant release of components to the environment, or (ii) because those released components are expected to have only an insignificant impact on the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

The waste of this product should be disposed in accordance with local, regional, national and/or international regulations.

## SECTION 14: TRANSPORT INFORMATION

Not applicable (this product is not regulated per U.S. DOT, IATA or IMO)

## SECTION 15: REGULATORY INFORMATION

Chemical Inventories: These products are articles as per the Toxic Substance Control Act (TSCA) regulations, and therefore exempt from TSCA Inventory listing requirements.  
U.S. Federal Regulations: Contact Ram Board  
State Regulations: Contact Ram Board  
International Regulations: Contact Ram Board



# RAM BOARD

## SECTION 16: OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Classification:

Health: 0  
Flammability: 1  
Reactivity: 0  
Special Hazards: None

*While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for this purpose. There is no warranty of fitness for a particular purpose. Our standard term and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential, exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.*

© 2020 Ram Board, Inc. All rights reserved. Product names & attributes trademark of Garland Surface Protection, Inc. where applicable.