

Rigid PVC Edgeband

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 04/28/2016 Date of Issue: 04/28/2016

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Substance

Product Name: Rigid PVC Edgeband

Formula: (CH₃CH₂CL)_n

Synonyms PVC

1.2. Intended Use of the Product

Use of the Substance/Mixture: Used in manufacturing other products.

1.3. Name, Address, and Telephone of the Responsible Party

Company

REHAU Industries

North American Headquarters

1501 Edwards Ferry Road

Leesburg, VA 20176

256-737-3028

1.4. Emergency Telephone Number

Emergency Number : 256-590-9081

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification

Not classified

2.2. Label Elements

GHS-US Labelling

No labeling applicable

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. Dust may cause mechanical irritation to eyes, nose, throat, and lungs. Burning or overheating edgeband could result in toxic vapors including hydrogen chloride, various hydrocarbons and aromatic hydrocarbons, organotin and oxides. These vapors may cause eye, skin, and respiratory tract irritation. This material should not be burned and doing such may generate fumes that cause irritation to skin, eyes, and gastrointestinal tract.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name : Rigid PVC Edgeband

Name	Product Identifier	%	GHS-US classification
Polyvinyl chloride	(CAS No) 9002-86-2	80 - 90	Comb. Dust
Stannane, butylmercaptooxo-	(CAS No) 26410-42-4	1 - 5	Not classified
Titanium dioxide*	(CAS No) 13463-67-7	1 - 5	Carc. 2, H351
2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate	(CAS No) 9010-88-2	1 - 5	Comb. Dust

Full text of H-phrases: see section 16

*Titanium dioxide is classified as a carcinogen only when there are respirable particles available for exposure. The titanium dioxide in this product is bound within the PVC matrix and is not available for immediate exposure under normal conditions of use or foreseeable emergencies.

3.2. Mixture

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures Inhalation: In case of fire/burning/dust production: Using proper respiratory protection, move the exposed person to fresh air at once. Encourage exposed person to cough, spit out, and blow nose to remove dust. Immediately call a poison center, physician, or emergency medical service.

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First-aid Measures After Skin Contact: In skin irritation occurs: Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Injuries After Inhalation: Dust may be harmful or cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable. The following applies to the product if it is cut, sanded or altered in such a way that excessive and/or significant particulates and/or dusts may be generated: Combustible Dust.

Explosion Hazard: The following applies to the product if it is cut, sanded or altered in such a way that excessive and/or significant particulates and/or dusts may be generated: Dust explosion hazard in air.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: If burned, product can evolve hydrogen chloride, carbon monoxide, carbon dioxide, various hydrocarbons, aromatic hydrocarbons, and other toxic gases accompanied by dense black smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid generating dust. Avoid breathing dust. Avoid prolonged contact with eyes, skin and clothing. Remove ignition sources. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Use only non-sparking tools. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

Other information: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid creating or spreading dust. Avoid breathing dust. Avoid prolonged contact with eyes, skin and clothing. Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Avoid creating or spreading dust. If dust is generated: Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool and well-ventilated place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Products: Strong acids, strong bases, strong oxidizers. Fluorine.

7.3. Specific End Use(s)

Used in manufacturing other products.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Polyvinyl chloride (9002-86-2)		
USA ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³ (respirable fraction)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
Titanium dioxide (13463-67-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA IDLH	US IDLH (mg/m ³)	5000 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust)

8.2. Exposure Controls

Appropriate Engineering Controls

: The following applies to the product if it is cut, sanded or altered in such a way that excessive and/or significant particulates and/or dusts may be generated: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. . Ensure all national/local regulations are observed.

Personal Protective Equipment

: Not generally required. The use of personal protective equipment may be necessary as conditions warrant. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing

: Not required for normal conditions of use

Hand Protection

: Not required for normal conditions of use

Eye Protection

: Chemical safety goggles.

Skin and Body Protection

: Wear suitable protective clothing.

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- Respiratory Protection** : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
- Other Information** : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: White or colored; Flat or rounded strips
Odor	: None
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: 391 °C (735.8 °F) (ASTM D 1929)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Specific Gravity	: 1.35 - 1.45
Solubility	: Water: < 0.1 g/100ml (at 23°C)
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition. Dust accumulation (to minimize explosion hazard).
- 10.5. **Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Fluorine. Fluorinated compounds.
- 10.6. **Hazardous Decomposition Products:** Thermal decomposition generates: Ethylene. Benzene. Toluene. Hydrogen chloride. Phosgene.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified

Stannane, butylmercaptotoxo- (26410-42-4)	
LD50 Oral Rat	> 20000 mg/kg
Titanium dioxide (13463-67-7)	
LD50 Oral Rat	> 10000 mg/kg

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified.

Polyvinyl chloride (9002-86-2)	
IARC group	3
Titanium dioxide (13463-67-7)	

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IARC group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Dust may be harmful or cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not classified.

12.2. Persistence and Degradability

Rigid PVC Edgeband	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Rigid PVC Edgeband	
Bioaccumulative Potential	Not established.

Stannane, butylmercaptotoxo- (26410-42-4)	
BCF Fish 1	2.1 (Cyprinus carpio)

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Polyvinyl chloride (9002-86-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Stannane, butylmercaptotoxo- (26410-42-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Titanium dioxide (13463-67-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate (9010-88-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2 US State Regulations

Titanium dioxide (13463-67-7)	
U.S. - California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of California to cause cancer.

Polyvinyl chloride (9002-86-2)	
U.S. - New Jersey - Right to Know Hazardous Substance List	

Titanium dioxide (13463-67-7)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	

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U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 04/28/2016

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases:

Carc. 2	Carcinogenicity Category 2
Comb. Dust	Combustible Dust
Comb. Dust	May form combustible dust concentrations in air
H351	Suspected of causing cancer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)

Technical Delivery Specification V-M01/06

Edition: 04.11.1998
Sheet 1 of 3

This edition cancels the edition M01/M02/M03/M06/M09/M10/M11/M12
dated 31.10.1997

Quality Guideline for REHAU Edgebands in RAU-PVC 1107, 1134, 1143, 1203, 1233 and 1239

1. Scope

This TDS also applies to M 02/M 03/M 04/M 05/M 06/M 09/M 10/M 11.
This Technical Delivery Specification is essence of contract and applies to REHAU edgebands in RAU-PVC 1107, 1134, 1143, 1203, 1233 and 1239 with primer.
It defines and limits the range of REHAU's services.

2. Range of application

REHAU edgebands in RAU-PVC 1107, 1134, 1143, 1203, 1233 and 1239 are used to cover the cut edges of chip boards, especially for the kitchen and office furniture sector.

3. Dimensions and tolerances

The dimensions and tolerances of RAUKANTEX edgebands are in accordance with the applicable REHAU drawing.
Sizes according to order specification.

4. Processing and bonding

RAUKANTEX edgebands in RAU-PVC 1107, 1134, 1143, 1203, 1233 and 1239 are designed for processing on commercial edgebanding machines employing the hot/cold (melt adhesive) process. For this purpose, the edgebands are coated on the back with a universal primer matched for the use of PA, EVA and PUR hot-melt adhesives.
The customer verifies suitability of adhesive by means of processing trials. The processing advice of the adhesive supplier shall be observed.

5. Hints for processing

The edgebands to be processed shall be conditioned at room temperature (18 - 24°C). It is recommended that the cartons be opened.

6. Material / Material properties

Hardness Shore D DIN 53505	79 ± 4		
Notched impact strength DIN 53448	a) plain colour-articles b) painted articles c) all articles	> 70 kJ/m ² > 40 kJ/m ² < 200 kJ/m ²	
Vicat softening point DIN ISO 306, method B/50	> 72°C		
Light fastness similar to DIN 53387 Assessment to blue scale DIN 54004	<input type="checkbox"/> grade 6		
Ball indentation hardness DIN ISO 2039, part 1	approx. 95 N/mm ²		
Shrinkage 3 mm edgeband 1 h at 110°C in drying oven	<input type="checkbox"/> 1.7 %		
Fire behaviour	self-extinguishing		

7. Surface finish / Printing

The surface has a homogeneous finish.
Process or material related deviations must not spoil the appearance when looked at from a distance of 0.5 m.

8. Outgoing inspection

Dimensional inspection is carried out according to the applicable REHAU drawing. For primer inspection a UV lamp is used. Proof of inspection (inspection stamp) is furnished for every shipment.

9. Make-up for delivery

According to order specification.

10. Packaging

In cartons, bulk quantities on pallets and covered with shrink foil or according to specification.

11. Guarantee

We guarantee series supply in accordance with the specification.

The customer will determine the suitability of our products for the specific application by way of his own functional tests for series delivery. Written approval of the samples is proof for REHAU of the proper function.

Other guarantees are not assumed by REHAU.

In case of delivery according to samples submitted §494 BGB is excluded.

12. Changes

As the responsible supplier, REHAU reserves the right to carry out sensible changes or deviations of the products under contract, for purposes of improvement and further development; whereas there will be no changes of the specification agreed herein.

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