

# SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date Prepared : 08/27/2015  
MSDS No : HUD12US\_ENG

## HUD12 Rubberized Aerosol Undercoat

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : HUD12 Rubberized Aerosol Undercoat  
**Product Description:** Undercoating, Paintable, Black, Aerosol 503 g / 17.7 oz  
**General Use** : Aerosol Coating, Automotive Use Only  
**Product Stock/Code** : HUD12  
**Chemical Family** : Organic Coating / Enduit organique  
**Molecular Formula** : Mixture / Mélange

#### Manufacturer / Supplier

HUD Products  
2330 Wildwood Road  
Wildwood, PA 15091  
<http://www.hudrefinishing.com>  
**Customer Service:** 412-487-4800

#### Emergency Telephone Numbers (24 hour)

CHEMTREC : (800) 424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Eye Irritation, Category 2  
Skin Irritation, Category 2  
Target Organ Toxicity (Single exposure), Category 3  
Target Organ Toxicity (Repeated exposure), Category 2  
Reproductive Toxicity, Category 2  
Carcinogenicity, Category 2

##### Physical:

Flammable Aerosols, Category 1  
Gases Under Pressure  
Simple Asphyxiant, Category 1

#### GHS LABEL

Hazardous components for labelling:

**Acetone, Toluene and Carbon Black**



Flame



Gas  
cylinder



Exclamation  
mark



Health  
hazard

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H222: Extremely flammable aerosol.

## HUD12 Rubberized Aerosol Undercoat

---

H280: Contains gas under pressure; may explode if heated.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H373: May cause damage to organs (central nervous system) through prolonged or repeated exposure.

H361: Suspected of damaging fertility or the unborn child.

H351: Suspected of causing cancer.

H600: May displace oxygen and cause rapid suffocation.

### PRECAUTIONARY STATEMENT(S)

#### Prevention:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Do not pierce or burn, even after use.

P264: Wash hands thoroughly after handling.

P260: Do not breathe mist, vapours or spray.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves and eye protection.

#### Response:

P308+P313: IF exposed or concerned: Get medical advice/ attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

#### Storage:

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

#### Disposal:

P501: Dispose of contents/container in accordance with applicable local, regional and/or national regulations.

### Emergency Overview

#### Immediate Concerns:

Flammable aerosol. Harmful if inhaled. Possible risk of harm to the unborn child. Causes serious eye irritation. Irritating to skin. Vapours may cause drowsiness and dizziness. Vapor reduces oxygen availability for breathing.

#### Hazards Not Otherwise Classified:

No data available.

#### Comments:

20 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

See sections 9 and 10 for more detailed information on physicochemical effects.

See section 11 for more detailed information on health effects.

See sections 12 for more detailed information on environmental effects.

This product is a consumer product and is labeled in accordance with the Canadian Consumer Chemicals and

## HUD12 Rubberized Aerosol Undercoat

Containers Regulations and US Consumer Product Safety Commission regulations which take precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling. The actual container label will not include the above label elements. The labeling above applies to products used solely for industrial / professional use.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS No.
Acetone	40 - 45	67-64-1
Toluene	15 - 20	108-88-3
Propane	12 - 18	74-98-6
Isobutane	5 - 8	75-28-5
Carbon Black	0.5 - 1	1333-86-4

**Comments:** There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the product and hence require reporting in this section.

### 4. FIRST AID MEASURES

#### Eye Contact:

In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

#### Skin Contact:

Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and wash before reuse.

#### Ingestion:

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

#### Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

#### Signs and Symptoms of Overexposure

##### Eye Contact:

Contact causes serious eye irritation. Symptoms may include pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

##### Skin Contact:

Contact causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

##### Ingestion:

Substance may be harmful if swallowed. May cause irritation. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

##### Inhalation:

High gas, vapor, mist or dust concentrations may be harmful if inhaled. May cause headaches and dizziness. High vapor concentrations may cause drowsiness. High vapor concentrations can displace oxygen in enclosed spaces and cause asphyxiation.

#### Notes to Physician:

Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

#### Additional Information:

## HUD12 Rubberized Aerosol Undercoat

No data available.

### 5. FIRE FIGHTING MEASURES

#### **Flammable Properties:**

Extremely flammable aerosol. Can readily form explosive mixtures at or above the flash point. Product can be ignited by static discharge.

#### **Extinguishing Media:**

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

#### **Hazardous Combustion Products:**

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

#### **Fire Fighting Procedures:**

Containers can build up pressure if exposed to heat (fire).

#### **Fire Fighting Equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

#### **Sensitivity to Static Discharge:**

Product is sensitive to static discharge.

#### **Sensitivity to Mechanical Impact:**

Product is sensitive to mechanical impact. Do not puncture container. Contents under pressure. Do not expose to heat or store above 120 °F (49 °C).

### 6. ACCIDENTAL RELEASE MEASURES

#### **Small Spill:**

Eliminate all ignition sources. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly.

#### **Environmental Precautions**

##### **Water Spill:**

Do not flush to sewer.

##### **Land Spill:**

Avoid runoff into storm sewers and ditches which lead to waterways.

#### **Special Protective Equipment:**

Clean up spills immediately, observing precautions in Protective Equipment section 8.

### 7. HANDLING AND STORAGE

**General Procedures:** Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

#### **Handling:**

Contents under pressure. Do not expose to heat or store above 120 °F (49 °C). Use only in a well ventilated area. Do not use in the presence of open flame or spark. Do not puncture container. Do not breath vapors or spray mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

#### **Storage:**

Keep away from heat and flame. Store in a cool dry place. Container may explode if heated. Do not incinerate.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

<b>OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)</b>							
		<b>Occupational Exposure Limits</b>					
		<b>OSHA PEL</b>		<b>ACGIH TLV</b>		<b>NIOSH REL</b>	
<b>Chemical Name</b>		<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>
Acetone	<b>TWA</b>	1000	2400	500		250	590
	<b>STEL</b>			750		-	-
Toluene	<b>TWA</b>	200		50	188	100	375
	<b>STEL</b>	300				150	560
Propane	<b>TWA</b>	1000	1800	1000		1000	ND
Isobutane	<b>TWA</b>			1000		800	ND
Carbon Black	<b>TWA</b>		3.5		3		ND

**Engineering Controls:**

Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

**Personal Protective Equipment**

**Eyes and Face:**

Wear safety glasses with side shields (or goggles).

**Skin Contact:**

Wear chemical resistant gloves.

**Respiratory:**

NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Protective Clothing:** Not applicable for aerosol containers.

**Work Hygienic Practices:**

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Physical State** : Liquid, without aerosol propellants
- Odor** : Ketone
- Odor Threshold** : No data available.
- Appearance** : Aerosol
- Color** : Black
- pH** : Not Applicable
- % Volatiles** : 80 to 85 % w/w
- Flash Point and Method** : -18 °C Setaflash Closed Cup (Acetone)
- Flammable Limits** : 1.0 to 12.8

**Notes:** Based on data for acetone.

**Autoignition Temperature** : 480°C

**Notes:** Based on data for acetone.

## HUD12 Rubberized Aerosol Undercoat

---

<b>Vapor Pressure</b>	: 50 - 60 psig at 20°C
<b>Vapor Density</b>	: > 1 (air = 1)
<b>Boiling Point</b>	: 56 °C (Acetone)
<b>Freezing Point</b>	: No data available.
<b>Melting Point</b>	: No data available.
<b>Solubility in Water</b>	: Partial
<b>Evaporation Rate (n-butyl acetate = 1)</b>	: > 1
<b>Density</b>	: 0.97±0.02g/ml at 20°C
<b>Viscosity</b>	: > 100 cps
<b>VOC Content</b>	: Summarized below
<b>Partition Coefficient (n-octanol/water)</b>	: No data available.
<b>Oxidizing Properties</b>	: None

### Comments:

#### Flammability Statement:

The flammability of an aerosol is determined by its flame extension and/or flashback.

<b>Flammability:</b>	Yes
<b>Aerosol Flame Projection:</b>	> 15 cm but < 100 cm
<b>Flashback:</b>	None

#### VOC Compliance Statement

<b>Total Volatiles:</b>	< 660 g/l 80 - 85% w/w
<b>VOC Regulation:</b>	USA National VOC Emission Standards for Aerosol Coatings – 40CFR PART 59 SUBPART E
<b>Coating Category:</b>	Flat Coatings
<b>VOC Content:</b>	Product-Weighted Reactivity (PWR): < 1.2 g O <sub>3</sub> /g product < 40% w/w (< 270 g/l)

The VOC content meets the 1.20 PWR category limit for Flat Coatings.  
USA compliant.

## 10. STABILITY AND REACTIVITY

**Reactive Hazard** : No

**Hazardous Polymerization:**  
Not expected to occur.

**Stability:**

## HUD12 Rubberized Aerosol Undercoat

Stable.

### Conditions to Avoid:

Keep away from flames and any object that sparks. Container may explode if heated.

### Possibility of Hazardous Reactions:

Not Available

### Hazardous Decomposition Products:

Carbon Monoxide and other toxic vapors.

### Incompatible Materials:

Oxidizing materials.

## 11. TOXICOLOGICAL INFORMATION

### Product Acute Toxicity

Chemical Name	ORAL LD <sub>50</sub> mg/kg (rat)	DERMAL LD <sub>50</sub> mg/kg (rabbit)	INHALATION LC <sub>50</sub> mg/l
Acetone	8400 5250(mouse) 5300(rabbit)	>15,700	50.1(rat;8h) 44.0(mouse;4h)
Toluene	7000, 6400, 5500	12,270	49.0(rat;4h) 30.0(mouse;2h) 19.9(mouse;7h)
Propane	Not Applicable	Not Applicable	>20,000 ppm (rat,4h)
Isobutane	Not Applicable	Not Applicable	142.5 ppm (rat,4h)

**Acute Toxicity - Dermal LD<sub>50</sub>:** The calculated ATE is >2000 mg/kg.

#### Notes:

Based on available data, the classification criteria for Acute Dermal Toxicity are not met for this mixture.

**Acute Toxicity - Oral LD<sub>50</sub>:** The calculated ATE is >2000 mg/kg.

#### Notes:

Based on available data, the classification criteria for Acute Oral Toxicity are not met for this mixture.

**Acute Toxicity - Inhalation LC<sub>50</sub>:** The calculated ATE is >20 mg/l/4h (vapours) and >5 mg/l/4h (mists).

#### Notes:

Based on available data, the classification criteria for Acute Toxicity - inhalation are not met for this mixture.

### Toxicological Data:

20% of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

No additional toxicology information is available for this product itself. (See Component Toxicity Information).

### Eye Irritation / Serious Eye Damage:

Contains: Acetone. Contact causes serious eye irritation. The mixture is classified as: Eye Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as eye irritant, category 2). Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

### Skin Irritation / Corrosion:

Contains: Toluene. Causes skin irritation. The mixture is classified as: Skin Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as skin irritant, category 2). Prolonged or repeated

## HUD12 Rubberized Aerosol Undercoat

contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

### Carcinogenicity

Chemical Name	NTP Status	IARC Status	OSHA Status	Other
Acetone	--	--	--	
Toluene	--	3	--	--
Carbon Black	--	2B	--	--

#### Notes:

The mixture is classified as: Carcinogenicity, category 2 based on ingredient data using the applicable cut-off/concentration limits ( $\geq 0.1\%$  ingredients classified as a Carcinogen, category 2).

### Specific Target Organ Toxicity - Repeated Exposure:

The mixture is classified as: Specific Target Organ Toxicity - Repeated Exposure, category 2, based on ingredient data using the applicable cut-off/concentration limits ( $\geq 1.0\%$  ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 2). Prolonged inhalation may be harmful. Chronic exposure to organic solvents such as Toluene have been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include: loss of memory, loss of intellectual ability, and loss of coordination. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

### Respiratory / Skin Sensitizer:

Based on available data, the classification criteria for skin/respiratory sensitization are not met for this mixture ( $< 0.1\%$  ingredients classified as a skin sensitizer, category 1 or sub-category 1A and  $< 1.0\%$  ingredients classified as a skin/respiratory sensitizer, sub-category 1B).

### Reproductive Toxicity:

The mixture is classified as: Reproductive Toxicity, category 2 based on ingredient data using the applicable cut-off/concentration limits ( $\geq 0.1\%$  ingredients classified as Reproductive Toxicity, category 2). May cause adverse reproductive effects. Possible risk of harm to the unborn child (Toluene).

### Specific Target Organ Toxicity - Single Exposure:

The mixture is classified as: Specific Target Organ Toxicity - Single Exposure, category 3, based on summation of ingredient data using the applicable cut-off/concentration limits ( $\geq 20\%$  summation of all ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 3). Contains: Toluene. Can cause central nervous system depression (including unconsciousness). High vapor concentrations may cause drowsiness. May cause headaches and dizziness.

### Germ Cell Mutagenicity:

Based on available data, the classification criteria for Germ Cell Mutagenicity are not met for this mixture ( $< 0.1\%$  ingredients classified as Germ Cell Mutagen, category 1A or 1B and  $< 1.0\%$  ingredients classified as Germ Cell Mutagen, category 2).

### Aspiration Hazard:

Based on available data, the classification criteria for Aspiration Hazard are not met for this mixture ( $< 10\%$  ingredients classified as an Aspiration Hazard, category 1 and/or mixture viscosity  $> 20.5 \text{ mm}^2/\text{s}$  at  $40 \text{ }^\circ\text{C}$ ).

## 12. ECOLOGICAL INFORMATION

### Environmental Data:

No data available.

### Ecotoxicological Information:

No data available.

### Bioaccumulation/Accumulation:

No data available.

### Distribution:



## HUD12 Rubberized Aerosol Undercoat

---

No data available.

### **Aquatic Toxicity (Acute):**

No data available.

### **Chemical Fate Information:**

No data available.

## 13. DISPOSAL CONSIDERATIONS

### **Disposal Method:**

Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal. Do not discharge substance/product into sewer system.

### **Product Disposal:**

When container is empty, press button to release all pressure, then dispose of container and unused contents in accordance with Local, Provincial/State and Federal regulations.

## 14. TRANSPORT INFORMATION

### **DOT (Department of Transportation)**

**Proper Shipping Name** : Aerosols, Flammable

**Primary Hazard Class/Division:** 2.1

**UN/NA Number** : 1950

**Packing Group** : N/AP

### **Other Shipping Information:**

With an inner packaging < 1.0 L, this product may be shipped as a Limited Quantity as per DOT 173.306.

### **Air (ICAO/IATA)**

**Shipping Name** : Aerosols, Flammable

**UN/NA Number** : 1950

**Primary Hazard Class/Division:** 2.1

**Packing Group** : N/AP

**Subsidiary Risk** : None

**Label** : Flammable Gas

### **Vessel (IMO/IMDG)**

**Shipping Name** : Aerosols

**UN/NA Number** : 1950

**Primary Hazard Class/Division:** 2.1

**Packing Group** : N/AP

**Marine Pollutant** : None

**Label** : None

**Note:** With an inner packaging < 1.0 L, this product may be shipped as a Limited Quantity.

### **Canadian Transportation of Dangerous Goods Regulations**

**Shipping Name** : Aerosols, Flammable

**UN/NA Number** : 1950

## HUD12 Rubberized Aerosol Undercoat

**Primary Hazard Class/Division:** 2.1

**Packing Group** : N/AP

**TDG Note:**

With an inner packaging < 1.0 L, this component may be shipped as a Limited Quantity as per TDG Section 1.17.

### 15. REGULATORY INFORMATION

#### UNITED STATES

##### SARA Section 311/312 Hazard Categories

**Fire Hazard** : Yes  
**Sudden Release of Pressure** : Yes  
**Reactive Hazard** : No  
**Product Acute Toxicity** : Yes  
**Product Chronic Toxicity** : Yes

##### EPCRA Section 313 Toxic Chemicals

Chemical Name	Wt. %	CAS No.
Toluene	15 - 20	108-88-3

##### EPCRA Section 302 Extremely Hazardous Substances

**EPCRA Status:**

This product contains no listed extremely hazardous substances that are subject to the reporting requirements of SARA Title III, Section 302.

##### CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical Name	Wt. %	RQ
Acetone	40 - 45	5,000
Toluene	15 - 20	1,000

##### TSCA (The Toxic Substances Control Act)

**TSCA Status:**

All components are included or are otherwise exempt from inclusion on this inventory.

##### CAA 112(b) - Hazardous Air Pollutants

Chemical Name	Wt. %	CAS No.
Toluene	15 - 20	108-88-3

##### CAA 112(r) - List of Substances for Accidental Release Prevention:

Name	CAS No.	Threshold Qty (TQ)
Propane	74-98-6	10,000
Butane	75-28-5	10,000

##### California Proposition 65

## HUD12 Rubberized Aerosol Undercoat

Chemical Name	Wt. %	Listed
Toluene	15 - 20	<ul style="list-style-type: none"><li>• Developmental Toxicity</li><li>• Female Reproductive</li></ul>

### OSHA Hazard Communication Standard (29 CFR 1910.1200):

OSHA Status: Hazardous Product (See Section 2 for details).

This product has been classified in accordance with the hazard criteria of the USA OSHA Hazard Communication Standard (29CFR 1910.1200) and the Safety Data Sheet contains all the information required by the OSHA Hazard Communication Standard (HazCom 2012).

## CANADA

### WHMIS Hazard Symbol and Classification

See Section 2 for details.

### WHMIS Regulatory Status:

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

### WHMIS Classification:

WHMIS 2015 (Canada) Status: Hazardous Product (See Section 2 for details).

### CEPA - National Pollutant Release Inventory (NPRI):

Name	CAS No.	NPRI Part No.
Toluene	108-88-3	1A, 5 (VOC)
Propane	74-98-6	5 (VOC)
Butane (all isomers)	75-28-5	5 (VOC)

### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):

All components are included or are otherwise exempt from inclusion on this inventory.

### Comments

VOC Content -- See section 9.

## 16. OTHER INFORMATION

**Reason for Issue:** NEW

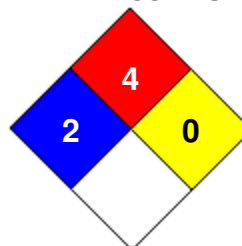
**Prepared By :** Regulatory Compliance / Conformité réglementaire **Date Prepared:** 08/27/2015

**Information Contact:** 412-487-4800

### HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		E

### NFPA CODES



**NFPA 30 / 30B Storage Classification:** Level 2 Aerosol

### Manufacturer Supplemental Notes:

None

**Data Sources:**

Not Available

**Additional MSDS Information:**

N/AV Not Available

N/AP Not Applicable

ND Not yet determined

CAA The Clean Air Act

CCCR The Consumer Chemicals and Containers Regulations

CEPA The Canadian Environmental Protection Act

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

EPCRA The Emergency Planning and Community Right-To-Know Act

IARC International Agency for Research on Cancer

MSHA Mine Safety and Health Administration

NIOSH National Institute for Occupational Safety and Health

NTP National Toxicology Program

OSHA The Occupational Safety and Health Act

SARA The Superfund Amendments and Reauthorization Act

WHMIS Workplace Hazardous Materials Information System

**General Statements:**

None

**Comments:**

None

**Manufacturer Disclaimer:**

The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of this material.