

# SAFETY DATA SHEET

FOR INDUSTRIAL USE ONLY

## Section 1: PRODUCTS AND COMPANY IDENTIFICATION

**Product Name:** RUST-LOK PART B

**Rainguard Brands, LLC.**

RainguardPro  
2736 West McDowell Road  
Phoenix, AZ 85009  
United States of America

**SDS Contact:** SDS Coordinator

**Telephone:** (949) 515-8800

**Recommended use:** Industrial use,  
Manufacture of substances

For Chemical Emergency, Spill, Leak,  
Exposure or Accident, call **CHEMTREC** day  
or night at the following number:

**Restrictions on use:** N/A

**DOMESTIC NORTH AMERICA:**

(800)424-9300

**INTERNATIONAL:** (703) 527-3887 (collect  
calls accepted)

## Section 2: HAZARDS IDENTIFICATION

**Classification of the substance Or mixture**

Skin Corrosion/Irritation - Category 1B  
Serious Eye Damage - Category 1  
Respiratory Sensitisation - Category 1  
Reproductive Toxicity - Category 2  
Specific Target organ Toxicity - Repeated Exposure  
[blood system, liver, lungs] - Category 1

**GHS Label Elements:**



**Signal Word:** Danger

## **Hazard Statements**

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure: (blood system, liver lungs)

## **Precautionary statements**

<b>General</b>	Not applicable.
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Wear respiratory protection. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
<b>Response</b>	<b>IF INHALED:</b> Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  <b>IF SWALLOWED:</b> Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.  <b>IF ON SKIN:</b> Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse.  <b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
<b>Storage</b>	Store locked up.

**Disposal**

Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Other hazards which do not result in classification**

None known.

<b>Section 3: COMPOSITION/INFORMATION ON INGREDIENTS</b>
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Ingredient name	% by weight	CAS No.
Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	50 - 65	9046-10-0
Phenol, 4-Nonyl-, Branched	25 - 35	84852-15-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

<b>Section 4: FIRST AID MEASURES</b>
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**Description of necessary first aid measures****Eye contact**

Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Inhalation**

Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptom may be delayed. The exposed person may need to be kept under

medical surveillance for 48 hours. In the event of any complaints or symptom , avoid further exposure.

**Skin contact**

Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion**

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician**

In case of inhalation of decomposition products in a fire, symptom may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments**

No specific treatment.

**Protection of first aid personnel**

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**See toxicological information (Section 11)**

## **Section 5: FIRE FIGHTING MEASURES**

### **Extinguishing Media**

<b>Suitable extinguishing media</b>	Use dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray (fog).
<b>Unsuitable extinguishing media</b>	Do not use water jet.
<b>Specific hazards arising from the chemical</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal</b>	Decomposition products may include the following materials:  carbon dioxide, carbon monoxide, nitrogen oxides
<b>Special protective actions for fire fighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
<b>Environmental precautions</b>	Avoid dispersal of spilled material and runoff and

contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **Methods and material for containment and cleaning up**

<b>Small spill</b>	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
<b>Large spill</b>	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13 of SDS). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

## ***Section 7: HANDLING AND STORAGE***

### **Handling Precautions**

<b>Protective measures</b>	Put on appropriate personal protective equipment (see section 8 of SDS). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
<b>Advice on general occupational hygiene</b>	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene

measures.

**Conditions for safe storage, including any incompatibilities**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Control parameters**

**Occupational exposure limits**

<b>Ingredient name</b>	<b>Exposure limits</b>
Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	None.
Phenol, 4-Nonyl-, Branched	None.

**Recommended monitoring procedures**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls**

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls**

Emissions from ventilation or work process

equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **Individual protection measures**

### **Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### **Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gasses or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

## **Skin protection**

### **Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

### **Body protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### **Other skin protection**

Appropriate footwear and any additional skin protection measures should be selected based on



the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

<b>Physical state</b>	Liquid.
<b>Color</b>	Water white
<b>Odor</b>	characteristic
<b>Odor Threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting point / Freezing point</b>	Not available
<b>Boiling point</b>	500°F, 260°C
<b>Flash point</b>	Estimated. 255°, 124°C
<b>Burning time</b>	Not available
<b>Burning rate</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Lower and upper explosive (flammable) limits</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility</b>	Not available
<b>Solubility in water</b>	Partial

<b>Partition coefficient: n octanol/ water</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>SADT</b>	Not available
<b>Viscosity</b>	Not available

**Other information**

No additional information

**Section 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	Stable under normal conditions
<b>Chemical stability</b>	The product is stable
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	Keep away from heat, sparks, flame and other ignition sources. Exposure to water vapor.
<b>Incompatible materials</b>	strong acids, strong oxidizing agents
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11: TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
<b>Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia</b>				
	LD50 Oral	Rat	2,885 mg/kg	-

	LD50 Dermal	Rat	2,980 mg/kg	-
<b>Phenol, 4-Nonyl-, Branched</b>				
	LD50 Oral	Rat	1,300 mg/kg	-

**Conclusion/Summary** : Not available

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Reaction products of di-, tri- and tetra-propoxylated propane-1,2- diol with ammonia	Eyes- Severe irritant	Rabbit			-
	Skin - Severe irritant	Rabbit		24 hrs	-
	Eyes- Severe irritant	Rabbit			-

**Conclusion/Summary**

**Skin** Not available

**Eyes** Not available

**Respiratory** Not available

**Sensitization**

**Conclusion/Summary**

**Skin** Not available

**Respiratory** Not available

**Mutagenicity**

**Conclusion/Summary** Not available

**Carcinogenicity**

**Conclusion/Summary** Not available

**Reproductive toxicity**

**Conclusion/Summary** Not available

**Teratogenicity**

**Conclusion/Summary** Not available

**Specific target organ toxicity (single exposure)**

Not available

**Specific target organ toxicity (repeated exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
Phenol, 4-Nonyl-, Branched	Category 1		Blood system, liver, lungs

**Aspiration hazard**

Not available

**Information on likely routes of exposure** Not available

**Potential acute health effects**

**Eye contact** Causes serious eye damage.

**Inhalation** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin Contact** Causes severe burns.

**Ingestion** No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** Adverse symptoms may include the following:

	Asthma Redness
<b>Skin contact</b>	Adverse symptoms may include the following: Pain or irritation Redness Blistering may occur Reduced fetal weight Increase in fetal deaths Skeletal malformations
<b>Ingestion</b>	Adverse symptoms may include the following: Stomach pains Reduced fetal weight Increase in fetal deaths Skeletal malformations

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Short term exposure**

<b>Potential immediate effects</b>	Not available
<b>Potential delayed effects</b>	Not available

**Long term exposure**

<b>Potential immediate effects</b>	Not available
<b>Potential delayed effects</b>	Not available

**Potential chronic health effects**

<b>Conclusion/Summary</b>	Not available
<b>General</b>	Causes damage to organs through prolonged or repeated exposure: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
<b>Carcinogenicity</b>	No known significant effects or critical hazards.
<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	Suspected of damaging the unborn child.
<b>Developmental effects</b>	No known significant effects or critical hazards.
<b>Fertility effects</b>	Suspected of damaging fertility.

## Numerical measures of toxicity

### Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gasses)	Inhalation (vapors)	Inhalation (dusts and mists)
EPIKURE™ Curing Agent 3274	2,022.1 mg/kg	4,584.6 mg/kg	NIA	NIA	NIA
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.or nega.-(2-aminomethylethoxy)-	2,885 mg/kg	2,980 mg/kg	NIA	NIA	NIA
Phenol, 4-nonyl-, branched	1,300 mg/kg	NIA	NIA	NIA	NIA

## **Section 12: ECOLOGICAL INFORMATION**

### Toxicity

Product/ingredient name	Result	Species	Exposure
4-nonylphenol, branched			
	AcuteLC50 138.25 µg/l Fresh water	Fish - Fathead minnow	96h
	AcuteLC50 135.1 µg/l Fresh water	Fish - Bluegill	96h
	AcuteEC50 0.33 mg/l Fresh water	Aquatic plants - Green algae	72h
	AcuteEC50 0.41 mg/l Fresh water	Aquatic plants - Green algae	96h

**Conclusion/Summary**

Not available

### Persistence/degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Reaction products of di-, tri- and tetra-propoxylated propane- 1,2-diol with ammonia	OECD-Guideline 301 B (CO2 Evolution Test)	0%-28d		
Remarks:	The product is not biodegradable.			

**Conclusion/Summary**

Not available

**Bioaccumulative potential**

Product/ingredient name	Lo2Pow	BCF	Potential
Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	1.34	3-3131.00	low
4-nonvlohenol, branched	5.4	2.4	low

**Mobility in soil**

**Soil/water partition coefficient (KOC)**

Not available

**Other adverse effects**

No known significant effects or critical hazards.

***Section 13: DISPOSAL CONSIDERATIONS***

**Disposal methods**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and

its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## **Section 14: TRANSPORT INFORMATION**

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

### **International transport regulations**

<b><u>Regulatory Information</u></b>	<b><u>UN/NA Number</u></b>	<b><u>Proper shipping name</u></b>	<b><u>Classes/*PG</u></b>	<b><u>Hazard Class</u></b>
<b>CFR</b>	2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S.	Class 8 II	
<b>IMO/IMDG</b>	2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Poly(oxypropylene) diamine)	Class 8 II	
<b>IATA (Cargo)</b>	2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Poly(oxypropylene) diamine)	Class 8 II	

\*PG: Packing group

### **Special precautions for user**

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## **Section 15: REGULATORY INFORMATION**

### **United States**



<b>U.S. Federal regulations:</b>	United States - TSCA 12(b) - Chemical export notification:	None required.
	United States - TSCA 5a2 - Final significant new use rules:	Not listed
	United States - TSCA 5a2 - Proposed significant new use rules:	Not listed
	United States - TSCA 5(e) - Substances consent order	Not listed
	SARA 311/312 Classification -	SKIN CORROSION, Category
	SARA 311/312 Classification -	SERIOUS EYE DAMAGE, Category I
	SARA 311/312 Classification -	RESPIRATORY SENSITISATION, Category I
	SARA 311/312 Classification -	REPRODUCTIVE TOXICITY, Category 2
	SARA 311/312 Classification -	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE, blood system, liver, lungs, Category 1
	SARA 311/312 Classification -	Not applicable

#### **Form R - Reporting requirements**

<b>Product name</b>	<b>CAS number</b>
Phenol, 4-nonyl-, branched	84852-15-3

#### **Supplier notification**

<b>Product name</b>	<b>CAS number</b>
Phenol, 4-nonyl-, branched	84852-15-3

SARA 313 notifications must not be detached from the SOS and any copying and redistribution of the SOS shall include copying and redistribution of the notice attached to copies of the SOS subsequently redistributed.

#### **California Prop 65:**

This product does not require a Safe Harbor warning under California Prop. 65.

**United States inventory (TSCA 8b):** All components are active or exempted.

**International regulations**

**International Lists**

<b>Australia inventory (AICS):</b>	All components are listed or exempted.
<b>Canada inventory:</b>	All components are listed or exempted.
<b>Japan inventory:</b>	All components are listed or exempted.
<b>China inventory (IECSC):</b>	All components are listed or exempted.
<b>Korea inventory:</b>	All components are listed or exempted.
<b>New Zealand Inventory (NZIoC):</b>	All components are listed or exempted.
<b>Philippines inventory (PICCS):</b>	All components are listed or exempted.
<b>United States inventory (TSCA 8b):</b>	All components are listed or exempted.
<b>Taiwan inventory (CSNN):</b>	All components are listed or exempted.

***Section 16: OTHER INFORMATION***

Hazardous Material Information System III (U.S.A):

Health	3
Flammability	1
Physical hazard	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Date Prepared: 2023-08-24

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