

# MATERIAL SAFETY DATA SHEET

This product is not considered hazardous under OSHA Right-to-Know in the U.S.A. or controlled under WHMIS in Canada.

## 1. IDENTIFICATION

### SUPPLIER: GNR Technologies Inc.

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### PRODUCT NAME: Recycled Rubber- Polyurethane Composite

**CHEMICAL NAME:** Not Appl.

**CHEMICAL FAMILY:** Not Appl.

**FORMULA:** Not Appl.

**MOLECULAR WEIGHT:** Not Appl.

**SYNONYMS:** Not Appl.

**CAS NUMBER:** Not Appl.

**CAS NAME:** Not Appl.

## 2. PHYSICAL DATA

**BOILING POINT:** Not Appl.  
760 mm Hg

**FREEZING POINT:** Not Appl.

**SPECIFIC GRAVITY:** Not Av.  
(H<sub>2</sub>O =1)

**VAPOUR PRESSURE:** Not Appl.  
at 20°C

**VAPOUR DENSITY:** Not Appl.  
(air =1)

**SOLUBILITY IN WATER:** Insoluble  
(% by wt)

**PERCENT VOLATILES:** Not Appl.  
(by volume)

**EVAPORATION RATE:** Not Appl.  
(Butyl Acetate =1)

**APPEARENCE ET ODOUR:** Odorless

**EMERGENCY TELEPHONE NUMBER: (514) 366-6116**

**3. HAZARDOUS INGREDIENTS**

<b>NAME</b>	<b>CAS #</b>	<b>% BY WEIGHT</b>	<b>HAZARDS</b>
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Under OSHA Right-to-Know criteria, this product does not contain hazardous ingredients.  
Under WHMIS criteria, this product does not contain controlled ingredients.

**4. EXPOSURE LIMITS AND TOXICOLOGICAL DATA**

<b>TLV-TWA ppm</b> ACGIH 1995-96	<b>LD50</b> Rat oral	<b>LC50</b> Rat inhalation	<b>LD50</b> Rabbit skin
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Not Applicable

**5. FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** Not Appl.  
[Test method(s)]

**FLAMMABLE LIMITS IN AIR, % by volume:** Not Appl.

**EXTINGUISHING MEDIA:**

Use water, water fog, alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Use self-contained breathing apparatus and protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Not Av.

**6. HEALTH HAZARD DATA****SWALLOWING:**

Unlikely route of exposure. No sign of intoxication expected.

**SKIN ABSORPTION:**

No absorption expected.

**INHALATION:**

Inhalation of dust generated in cutting operations at room temperature may irritate the respiratory tract. At high temperatures, solvents, monomers (isoprene, styrene and butadiene) and decomposition products (HCN, HCl, CO, CO<sub>2</sub>, SO, SO<sub>2</sub>, H<sub>2</sub>S, benzene, toluene, PAH) may evolve and cause irritation, asphyxia, central nervous system damage and ultimately death.

**SKIN CONTACT:**

Dermatitis caused by frequent contact and dust generated by cutting operations.

**EYE CONTACT:**

Irritation from dust generated by cutting operations.

**EFFECTS OF REPEATED EXPOSURE:**

Dermatitis in "rubber sensitive" individuals.

<b>7. EMERGENCY AND FIRST AID PROCEDURES</b>
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**SWALLOWING:**

Consult a physician.

**SKIN:**

If dermatitis occurs, consult a physician.

**EYES:**

If exposed to dust, flush eyes with water for at least 15 minutes. If irritation persists, consult a physician.

**INHALATION:**

Remove to fresh air. Consult a physician if symptoms persists.

<b>8. REACTIVITY DATA</b>
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<b>STABILITY</b>	<b>UNSTABLE</b>	<b>STABLE</b>
		X

**CONDITIONS TO AVOID:**

None currently known

**INCOMPATIBILITY:**

(materials to avoid)

Strong acids and organic solvents

**HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:**

Heat decomposition leads to potentially hazardous gases: HCN, HCl, CO, CO<sub>2</sub>, SO, SO<sub>2</sub>, H<sub>2</sub>S, benzene, toluene, PAH.

**HAZARDOUS POLYMERISATION:****MAY OCCUR****WILL NOT OCCUR**

X

**CONDITIONS TO AVOID:**

None currently known

**9. SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Collect for disposal

**WASTE DISPOSAL METHOD:**

Dispose in compliance with environmental regulations

**10. SPECIAL PROTECTION INFORMATION****RESPIRATORY PROTECTION:**

Dust mask in cutting operations

**VENTILATION:**

General room ventilation. Local ventilation in cutting operations

**PROTECTIVE GLOVES:**

Use according to Company's procedures

**EYE PROTECTION:**

No specific requirement but it is good practice to wear safety glasses.

**OTHER PROTECTIVE EQUIPMENT:**

None currently known

**11. SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Store away from combustibles and heat.

<b>12. PREPARATION</b>
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**MSDS PREPARED BY:** GNR Technologies Inc.

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**DATE:** May 5, 1996

**FAX:** (514) 366-6440

N.B. This information is given in good faith, though no warranty, expressed or implied, can be given since results may vary in accordance with applications.