



**GREENMAN TECHNOLOGIES OF CALIFORNIA, INC.**

1501 W. GLADSTONE AVENUE  
AZUSA, CA 91702  
PHONE: 626-633-1174  
FAX: 626 633-1044

**PRODUCT:**

REPROCESSED GROUND RUBBER

**CHEMICAL NAME:**

Mixture of natural and synthetic rubbers, carbon black, fillers, and oils.

**PRODUCT IS CLASSIFIED AS HAZARDOUS BY OSHA COMMUNICATION STANDARD:** No

TYPE OF HAZARD: None  
OCCUPATIONAL CONTROL PROCEDURES

**Protective Equipment:**

Eyes: Safety Glasses Recommended

Skin: Wear gloves, minimize skin contact with product, or wash thoroughly after handling.

Inhalation: No special protective devices needed at ambient temperatures.  
Respiratory devices recommended to prevent inhalation.

Ventilation: Should be provided at processing machinery to control fumes and odors. Fumes generated during processing or when over heated may be irritating.

**STORAGE:**

Exposure to high heat should be avoided.

**STEPS TO BE TAKEN IN CASE PRODUCT IS SPILLED:**

No unusual hazard.

**WASTE DISPOSAL METHOD:**

Bury in approved land disposal site or incinerate in accordance with federal, state and local regulations.

*POSSIBLE ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES*

Inhalation: Inhalation under ambient and ventilated processing conditions is normally not a problem.

Eyes: Flush with water, see physician if irritation persists.

Skin: Maintain good personal hygiene when working with these materials.

Ingestion: Not applicable

**TOXICOLOGY OF PRODUCT:**

|  |     |    |   |
|--|-----|----|---|
| Listed under National Toxicology             | Yes | No | X |
| Listed under I.A.R.C. as possible carcinogen | Yes | No | X |
| Listed under OSHA                            | Yes | No | X |

OSHA Permissible Exposure Level:

Not Established

ACGIH T.L.V.

Not Established

Signs and Symptoms of Exposure:

Normally not a problem

Medical Symptoms Aggravated by Exposure:

Not Established

## PHYSICAL AND CHEMICAL PROPERTIES

|                            |                        |
|----------------------------|------------------------|
| Appearance and Odor:       | Black Granules         |
| Specific Gravity:          | 1.14 ± .003            |
| AUTO-IGNITION TEMPERATURE: | 700 DEGREES FAHRENHEIT |
| Flashpoint:                | 475 degrees Fahrenheit |
| Stability:                 | Stable                 |
| Solubility in Water:       | Nil                    |
| Wt. % Volatile:            | < 1% primarily water   |
| Hazardous Polymerization:  | None                   |

## FIRE PROTECTION INFORMATION

Hazardous Decomposition Products: Carbon monoxide and dioxide, various hydrocarbons and partially oxidized hydrocarbons.

Recommended Fire Extinguisher Agents and Special Procedures: All fire extinguishing media permitted- water recommended. Full emergency equipment with self contained breathing apparatus should be worn to protect fire fighters from any hazardous decomposition/ combustion products. During a fire, irritating and/ or toxic gases and aerosols from these products may be present.

## COMPOSITION

Components Presenting a Significant Hazard:

N/A

| <u>Principle Components:</u> | <u>Percent:</u> | <u>CAS # Of Components:</u> |
|------------------------------|-----------------|-----------------------------|
| Reprocessed Rubber (NR-SBR)  | 40-45 %         | NR:90003-31-0/SBR:9003-55-8 |
| Carbon Black                 | 27-33%          | 1333-86-6                   |
| Zinc Oxide                   | 2-3 %           | 01314-13-2                  |
| Sulfur                       | 1.5-2.5 %       | 07704-34-9                  |
| Steric Acid                  | 1-2 %           | 00057-11-4                  |
| Process Oil                  | 10-20 %         | 64742-04-7                  |

### G.R.

|  |   |
|--|---|
| Fire Hazard                            | 1 |
| Health Hazard                          | 1 |
| Reactivity                             | 1 |
| Personal Protection                    | B |
| (Wear dust mask to prevent irritation) |   |

GreenMan Technologies of California Inc. provides the information herein in compliance with the Federal Hazard Communication Standard, 29 CFR 1310.1209, to give warning of actual and assumed hazards, and to inform of generally applicable precautions and control measures which are known to GreenMan. Hazardous information is based on available scientific evidence, but is not always obtained from sources under the direction or control of GreenMan. Greenman makes no warranties or representation that the information is accurate, reliable, or complete. Buyers may rely thereon only at Buyer's own risk. GreenMan only warrants that it has made effort to censor other than trade services, information that identifies the hazards of its products. The data shown on the pages in no way modifies, amends or endorses any specification on these reports.