MATERIAL SAFETY DATA SHEET

MANUFACTURER’S INFORMATION

Manufacturer’s Name                                            PermaLife Products LLC
Address                                                                  7000 Boulevard East
Guttenberg, NJ  07093

Emergency Telephone Number                              (201) 520-0220
Emergency Fax Number                                         (201) 854-7937  or (201) 854-8854

PRODUCT AND TRADE NAME

Identity: PROCESSED AND COLORIZED WHOLE TIRE GRANULES
(i.e. Pour & Play and 10/14 crumb rubber)        Reprocessed Ground Rubber, coated with an iron oxide dispersion

Chemical Name: NA                                          Substrate is a mixture of natural and synthetic rubbers, carbon black and oils coating is a pigmented, polymerized dried film

Product Classified as Hazardous by OSHA Standards               NO
Type of Hazard:                                                NONE

OCCUPATIONAL CONTROL PROCEDURES

Eyes:                                                         Safety glasses Recommended only when handling large quantities, i.e. during installation

Skin:                                                         No special requirements; wash thoroughly after handling

Inhalation:                                                   No special protective devices needed under normal use and ambient conditions. Respiratory devices recommended when handling large quantities

Ventilation:                                                  None required

Storage:                                                      Exposure to high heat should be avoided

Steps to be taken in case product is spilled                   No unusual hazard

Waste Disposal Method:                                        In accordance with Federal, State and Local regulations.

PermaLife Products LLC     4/6/04                          Material Safety Data Sheet
QS-Q-006revised  Form MSDS
POSSIBLE ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Inhalation under ambient conditions and typical application and use is normally not a problem

Eyes: Flush with water; see a physician if irritation persists

Skin: Maintain good personal hygiene when working with these materials. Typical use presents no problems.

Ingestion: Not applicable; coating film is inert, non-toxic, and environmentally compatible.

TOXICOLOGY OF PRODUCT

<table>
<thead>
<tr>
<th>Listing</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed under US National Toxicology</td>
<td>x</td>
<td></td>
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<tr>
<td>Listed under US I.A.R.C. as possible carcinogen</td>
<td>x</td>
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<tr>
<td>Listed under US OSHA</td>
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PHYSICAL AND CHEMICAL PROPERTIES

US OSHA Permissible Exposure Level: Not Established
US ACGIH T.L.V. Not Established
Signs and Symptoms of Exposure: Not Established
Medical Symptoms Aggravated by Exposure: Black or colored: Slight rubber and or ammonia odor upon opening bag, dissipates upon installation
Appearance and Odor: Black or colored: Slight rubber and or ammonia odor upon opening bag, dissipates upon installation

Specific Gravity 1.14 +/- 0.03
Auto Ignition Temperature: 700 deg. F
Flashpoint (COC): 475 deg F
Stability: Stable
Solubility in water: Nil
Wt. % Volatile: < 1% primarily water
Hazardous Polymerization: (PVC) Poly Vinyl chloride None

PermaLife Products LLC 4/6/04 Material Safety Data Sheet
QS-Q-006revised Form MSDS
FIRE PROTECTION INFORMATION

Hazardous Decomposition Products if Ignited  **PRODUCT TESTED TO BE NON FLAMMABLE AS PER ASTM D 2859**

Carbon monoxide and dioxide; various hydrocarbons and partially oxidized hydrocarbons

Recommended Fire Extinguishing Agents And Special Procedures:

All fire extinguishing media permitted. Full emergency equipment with self containing breathing apparatus should be worn to protect fire fighters from any hazardous decomposition/combustion bi-products.

Extinguishing Media: CO2, dry chemical, water spray/fog of foam

COMPOSITION

Components presenting a Significant Hazard: Not Applicable

<table>
<thead>
<tr>
<th>PRINCIPLE COMPONENTS</th>
<th>PERCENT</th>
<th>CAS # OF COMPONENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reprocessed Rubber (NR-SBR)</td>
<td>40-45</td>
<td>NR: 9003-31-0/SBR: 9003-55-8</td>
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<tr>
<td>Carbon Black</td>
<td>27-33</td>
<td>1333-86-4</td>
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<tr>
<td>Zinc Oxide</td>
<td>2-3</td>
<td>01314-13-2</td>
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<tr>
<td>Sulfur</td>
<td>1.5-2.5</td>
<td>07704-34-9</td>
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<tr>
<td>Stearic Acid</td>
<td>1-2</td>
<td>00057-11-4</td>
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<tr>
<td>Process Oil</td>
<td>10-20</td>
<td>64742-04-7</td>
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<tr>
<td>Pigmented coating</td>
<td>1-5</td>
<td>Proprietary.</td>
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</table>

WORK/HYGIENE PRACTICES

Employees who have prolonged contact with this stock should practice good personal hygiene by frequently washing hands, arms and exposed areas with soap and water. Remove contaminated clothing and wash before before wearing again. Normal exposure to this product requires no additional hygiene practices.

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