**MATERIAL SAFETY DATA SHEET**

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** BALANCE PAD

**PRODUCT NUMBER:** 97-501 through 97-517, 97-521 through 97-536, 14-600 through 14-615, 97-485 through 97-495

**MSDS Number:** 0237

**DATE:** December 8, 2010

**TRADE NAME:** BALANCE PAD

**GENERAL USE:** Industrial

**CHEMICAL FAMILY:** Organics polymer

**PRODUCT DESCRIPTION:** Cured pad, unsecured face gurney, slight metallic odor.

**MANUFACTURER**

**Patch Rubber Company**

**ADDRESS (NUMBER, STREET, P.O. BOX):** PO Box H

**CITY, STATE AND ZIP CODE:** Roanoke Rapids, NC 27870

**COUNTRY:** USA

**TELEPHONE NUMBER (General Inquiries):** (252) 536-2574

**SUPERSEDES:** January 13, 2009

**DATE PREPARED:** December 8, 2010

**CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS**

- ChemTel Inc. 1-800-255-3624
- North America
- (Toll Free)
- CHEMTEL INC.
- 813-248-0585
- International and Local Calls

**SECTION 2 - HAZARDOUS INGREDIENTS**

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>% (by Weight)</th>
<th>CAS #</th>
<th>EINECS #</th>
<th>Risk Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene - Butadiene - Styrene Block Copolymer</td>
<td>10-30</td>
<td>9003-55-8</td>
<td>NE</td>
<td>Xi</td>
</tr>
<tr>
<td>Petroleum distillate, hydro-treated heavy paraffinic</td>
<td>1-5</td>
<td>64742-52-5</td>
<td>265-155-0</td>
<td>T</td>
</tr>
<tr>
<td>Carbon black (a)</td>
<td>1-5</td>
<td>1333-86-4</td>
<td>215-609-9</td>
<td>Xi</td>
</tr>
<tr>
<td>Zinc oxide (as zinc) (b)</td>
<td>0.5-1.5</td>
<td>1314-13-2</td>
<td>215-222-5</td>
<td>Xn</td>
</tr>
</tbody>
</table>

**NOTES:**

(a) California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986, chemicals known to the state to cause cancer or reproductive toxicity. A person in the course of doing business must warn others who may consume, come into contact with, or otherwise be exposed to this chemical. This does not apply to the carbon black in this product, as this component is not in respirable form.

(b) See section 15

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 91/155/EC. Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 91/155/EC and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), a

**SECTION 3 - HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**
Non-hazardous solid, will support combustion if involved in a fire. Hazard symbols: None R-Phrases: Not classified.

**POTENTIAL HEALTH EFFECTS**

**INHALATION:**
None expected.

**SKIN:**
None expected, however, prolonged contact may cause irritation.

**EYES:**
Contact with eyes may cause irritation.

**INGESTION:**
May cause gastric distress, stomach pains, vomiting and diarrhea.

**CARCINOGENICITY:**

- NTP? NO
- IARC MONOGRAPHS? NO
- OSHA REGULATED? NO

**CALIFORNIA, Prop.65? YES**

**YES- Carbon Black CAS#1333-86-4 (See section 15)**

**ESIS NOTATION? YES**

**OSHA- 265-155-0**
**SECTION 4 - FIRST AID MEASURES**

**INHALATION:**
Not expected to create a hazardous situation.

**EYES:**
Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

**SKIN:**
Wash contacted area with soap and water; if irritation persists, seek medical attention.

**INGESTION:**
Give two glasses of water for dilution; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention.

**SECTION 5 - FIRE FIGHTING MEASURES**

**GENERAL HAZARDS:**
Product will support combustion. Products of combustion include compounds of carbon, hydrogen, oxygen and sulfur, including carbon monoxide.

**EXTINGUISHING MEDIA:**
Carbon dioxide, water, water fog, dry chemical, chemical foam.

**FIRE FIGHTING PROCEDURES:**
Firefighters must wear full facepiece self-contained breathing apparatus in positive pressure mode. Solid stream of water may scatter and spread fire. Fine water spray can be used to keep fire-exposed containers cool.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**
This product will ignite when exposed to heat or flame. Rubber burns with intense heat and produces dense smoke. Incomplete combustion produces oils and dense soot (carbon black).

**HAZARDOUS COMBUSTION PRODUCTS:**
Smoke, fumes or vapors, oxides of carbon and sulfur.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**
Confine and segregate product for reuse; place material into approved containers for disposal. Do not discharge into lakes, ponds, streams or public waters.

**SECTION 7 - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**
Keep this and other chemicals out of reach of children.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>NIOSH TWA ppm</th>
<th>NIOSH TWA mg/m³</th>
<th>ACGIH STEL ppm</th>
<th>ACGIH STEL mg/m³</th>
<th>TLV/TWA ppm</th>
<th>TLV/TWA mg/m³</th>
<th>OSHA PEL ppm</th>
<th>OSHA PEL mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene – Butadiene –</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Styrene Block Copolymer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillate,</td>
<td>5</td>
<td>10</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Hydrotreated heavy paraffinic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon black (a)</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Zinc oxide (as zinc) (b)</td>
<td>5</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**
Not normally needed for routine handling.

**PROTECTIVE GLOVES:**
Recommended for general protection.

**EYE PROTECTION:**
Recommended for general protection. Refer to 29 CFR 1910.133 or European Standard EN168.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**
Safety eyewash station nearby.

**WORK / HYGIENIC PRACTICES:**
Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.
### MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** BALANCE PAD  
**PRODUCT NUMBER:** 97-501 through 97-517, 97-521 through 97-536, 14-600 through 14-615, 97-485 through 97-495  
**MSDS Number:** 0237  
**DATE:** December 8, 2010

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE AND ODOR</td>
<td>Cured pad, uncured face gum, slight metallic odor.</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (WATER = 1)</td>
<td>2.25-2.3</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>Insoluble</td>
</tr>
<tr>
<td>VISCOSITY</td>
<td>Solid</td>
</tr>
<tr>
<td>FLAMMABLE LIMITS</td>
<td>VAPOR DENSITY (AIR = 1)</td>
</tr>
<tr>
<td>LEL: NR</td>
<td>NA</td>
</tr>
<tr>
<td>UEL: NR</td>
<td>NA</td>
</tr>
<tr>
<td>AUTOIGNITION TEMPERATURE</td>
<td>NA</td>
</tr>
<tr>
<td>EVAPORATION RATE (WATER = 1)</td>
<td>NA</td>
</tr>
</tbody>
</table>

### SECTION 10 - STABILITY AND Reactivity

<table>
<thead>
<tr>
<th>Stability Conditions to Avoid</th>
<th>Condition To Avoid: None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>None related to polymerization.</td>
</tr>
</tbody>
</table>

### SECTION 11 - TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS #</th>
<th>LD50 of Ingredient</th>
<th>LC50 of Ingredient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene – Butadiene – Styrene Block Copolymer</td>
<td>9003-55-8</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Petroleum distillate, hydrotreated heavy paraffinic</td>
<td>64742-52-5</td>
<td>ND</td>
<td>ND</td>
</tr>
<tr>
<td>Carbon black (a)</td>
<td>1333-86-4</td>
<td>440 mg / kg Intravenous - mouse</td>
<td>NE</td>
</tr>
<tr>
<td>Zinc oxide (as zinc) (b)</td>
<td>1314-13-2</td>
<td>7950 mg / kg Oral-Mouse</td>
<td>2500 mg / m3 Inhalation - mouse</td>
</tr>
</tbody>
</table>

### SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. None of the ingredients in this mixture are classified as a Marine Pollutant.

### SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. Do not flush to sanitary sewer or waterway. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

### SECTION 14 - TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>PROPER SHIPING NAME</th>
<th>Not regulated for transport.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT HAZARD CLASS / Pack</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>Group:</td>
<td>IATA HAZARD CLASS / Pack</td>
</tr>
<tr>
<td>UN / NA IDENTIFICATION NUMBER</td>
<td>None</td>
</tr>
<tr>
<td>LABEL: None required.</td>
<td>RID/ADR Dangerous Goods Code:</td>
</tr>
<tr>
<td>ZHAZD SYMBOLS: None</td>
<td>UN TDG Class / Pack Group:</td>
</tr>
</tbody>
</table>

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.
MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BALANCE PAD
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SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):
Acute Health: NO Chronic Health: NO Reactive: NO
Fire: NO Sudden Release of Pressure: NO

SARA 313 REPORTABLE INGREDIENTS: b) Zinc Oxide (as Zinc) CAS#1314-13-2 is a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR 372.

CERCLA (USA - Comprehensive Response Compensation and Liability Act): No applicable RQ's listed.

California Prop 65, Safe Drinking Water and Toxic Enforcements Act of 1986. There is a chemical present (carbon black) known to the state of California to cause cancer or reproductive toxicity. As the carbon black in this product is not in a respirable form, California Proposition 65 is not applicable.

CPR (Canadian Controlled Products Regulations): Not Controlled.

CIDL (Canadian Ingredient Disclosure List): Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Listed in the CDLS.

EINECS (European Inventory of Existing Commercial Chemical Substances): Ingredients are referenced.

WQK Water Quality Index: NA

RISK PHRASES: SYMBOL(S) REQUIRED FOR EU LABEL: SAFETY PHRASES:
R20 Harmful by Inhalation. T: Toxic S2: Keep out of the reach of children.
R36/37/38 Irritating to eyes, respiratory system and skin. I: Irritant S25: Avoid contact with eyes.
R45: May cause cancer.
R65: Damaging to lungs when swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

SECTION 16 - OTHER INFORMATION

Legend:
ACGIH - American Congress of Government Industrial Hygienists
CAS - Chemical Abstracts Service
EINECS - European Inventory of Existing Commercial Chemical Substances
HMIS - Hazardous Materials Identification System
IARC - International Agency for Research on Cancer
NA - Not Applicable
NE - Not Established
ND - Not Determined
NR - Not Reported
NOS - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration

HMIS HAZARD RATINGS

HEALTH: 1 0 = INSignificant
FLAMMABILITY: 1 1 = SLIGHT
PHYSICAL HAZARD: 0 2 = MODERATE
PERSONAL PROTECTIVE 3 = HIGH
EQUIPMENT: B 4 = EXTREME

REVISION SUMMARY: Revised to GHS protocols 12/8/2010 supersedes 13/01/2009 issue. --JTV/LB--

MSDS Prepared by:
ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2982
Toll Free North America 1-888-255-3924 Intl. +1 813-248-0573
Website: www.chemtelinc.com

The information contained herein is believed to be accurate but is not warranted to be as is. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendor or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.