SAFETY DATA SHEET

SBR 1712, SBR 1712L

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name
SBR 1712, SBR 1712L

Lion Elastomers
P.O. Box 667
Port Neches, Texas 77651

Customer Service Number
1-800-5359960

Email
CustomerService@lionelastomers.com

Emergency telephone number
CHEMTREC 1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification (EC 1272/2008)
Physical and Chemical Hazards Not classified
Human health Carc.: H350
Environment Not classified

Classification (1999/45/EEC)
Not classified

Label Elements

Contains
HEAVY PARAFFINIC DISTILLATE SOLVENT

Signal Word
Danger

Hazard Statements
H350 May cause cancer
SAFETY DATA SHEET

SBR 1712, SBR 1712L

Precautionary Statements

P201 Obtain special instructions before use
P308+313 If exposed or concerned: Get medical advice/attention
P501 Dispose of contents/container in accordance with local regulations

Supplemental Precautionary Statements

P202 Do not handle until all safety precautions have been read.
P281 Use personal protective equipment as required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTRACTS, HEAVY PARAFFINIC DIST SOLVENT</td>
<td>64742-04-7</td>
<td>&gt;=10-%&lt;30%</td>
</tr>
<tr>
<td>N-(1,4-Dimethylpentyl)-N’-phenyl-p-phenylenediamine</td>
<td>793-24-8</td>
<td>&gt;=1%</td>
</tr>
<tr>
<td>Rosin acids, potassium salts</td>
<td>61790-50-9</td>
<td>&gt;=1.5&lt;5%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Eyes**
If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

**Skin**
First Aid is not normally required. However, it is recommended that exposed areas be cleaned by washing soap and water.

**Ingestion**
Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for
SAFETY DATA SHEET

SBR 1712, SBR 1712L

advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation
If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician
Hazards: No information available.
Treatment: No information available.

5. FIREFIGHTING MEASURES

Suitable extinguishing media
Dry chemical, Carbon dioxide (CO2), Water spray

Hazardous combustion products

carbon dioxide and carbon monoxide. Polymers decompose under fire conditions. The smoke may contain polymer fragments of varying composition and unidentified toxic and/or irritating compounds.

Precautions for fire-fighting
Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

NFPA Flammable and Combustible Liquids Classification
not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions
Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up
Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
SAFETY DATA SHEET

SBR 1712, SBR 1712L

Other information
Comply with all applicable federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling
Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage
Store in original container, Store in cool place, Keep away from direct sunlight. Keep at temperatures between 0 and 60°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>EXTRACTS, HEAVY PARAFFINIC DIST SOLVENT</th>
<th>64742-04-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIOSH Recommended exposure limit (REL): 5 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td>NIOSH Short term exposure limit          10 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td>OSHA Z1 Permissible exposure limit      5 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td>ACGIH time weighted average            5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
</tbody>
</table>

General advice
These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls
Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection
Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection

Page 4 / 9
SAFETY DATA SHEET

SBR 1712, SBR 1712L

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Wear resistant gloves (consult your safety equipment supplier).

Discard gloves that show tears, pinholes, or signs of wear.

Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical state</th>
<th>solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>bale</td>
</tr>
<tr>
<td>Color</td>
<td>amber</td>
</tr>
<tr>
<td>Odor</td>
<td>characteristic</td>
</tr>
<tr>
<td>Flash point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Density</td>
<td>0.94 – 0.97 g/cm³</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

excessive heat

Incompatible products

Oxidizing agents

Hazardous decomposition products

carbon dioxide and carbon monoxide

Hazardous reactions

Product will not undergo hazardous polymerization.

Page 5 / 9
SAFETY DATA SHEET

SBR 1712, SBR 1712L

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

- Inhalation
- Skin absorption
- Skin contact
- Eye Contact
- Ingestion

Product:

- Acute oral toxicity: no data available
- Acute inhalation toxicity: no data available
- Acute dermal toxicity: no data available
- Skin corrosion/irritation: no data available
- Serious eye damage/eye irritation: no data available
- Respiratory or skin sensitisation: no data available

Components:

ROSIN, POTASSIUM SALT:

- Acute oral toxicity: LD 50 Rat: > 2,000 mg/kg
  Based on similar product.

- Acute dermal toxicity: LD 50 Rat: > 2,000 mg/kg
  Based on similar product.

- Respiratory or skin sensitisation:
  Species: mouse
  Classification: Did not cause sensitisation on laboratory animals.
  Result: Did not cause sensitisation on laboratory animals.
SAFETY DATA SHEET

SBR 1712, SBR 1712L

Method: Local lymph node assay

12. ECOLOGICAL INFORMATION

Ecotoxicity

**Product:**
no data available

**Components:**
No data available

Bioaccumulative potential

**Product:**
no data available

**Components:**

ROSIN, POTASSIUM SALT:
Biodegradability: Biodegradation: 89.5 %
Method: OECD Test Guideline 302B

**Mobility in soil**

**Product:**
no data available

**Components:**
no data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods
Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

REGULATION
SAFETY DATA SHEET

SBR 1712, SBR 1712L

<table>
<thead>
<tr>
<th>ID NUMBER</th>
<th>PROPER SHIPPING NAME</th>
<th>HAZARD CLASS</th>
<th>SUBSIDIARY HAZARDS</th>
<th>PACKING GROUP</th>
<th>MARINE POLLUTANT / LTD. QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S. DOT - ROAD</strong></td>
<td></td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>U.S. DOT - RAIL</strong></td>
<td></td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>U.S. DOT - INLAND WATERWAYS</strong></td>
<td></td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TRANSPORT CANADA - ROAD</strong></td>
<td></td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TRANSPORT CANADA - RAIL</strong></td>
<td></td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TRANSPORT CANADA - INLAND WATERWAYS</strong></td>
<td></td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTERNATIONAL MARITIME DANGEROUS GOODS</strong></td>
<td></td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO</strong></td>
<td></td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER</strong></td>
<td></td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES</strong></td>
<td></td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ORM = ORM-D, CBL = COMBUSTIBLE LIQUID</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

**California Prop. 65**
This product does not contain a chemical known to the State of California to cause cancer.
SAFETY DATA SHEET

SBR 1712, SBR 1712L

SARA Hazard Classification
SARA 311/312 Classification
Acute Health Hazard

SARA 313 Component(s)
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Notification status

<table>
<thead>
<tr>
<th></th>
<th>HMIS</th>
<th>NFPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Physical hazards</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Instability</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Specific Hazard</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:
ACGIH : American Conference of Industrial Hygienists
BEI : Biological Exposure Index
CAS : Chemical Abstracts Service (Division of the American Chemical Society).
SAFETY DATA SHEET

SBR 1712, SBR 1712L

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction
FG : Food grade
GHS : Globally Harmonized System of Classification and Labeling of Chemicals.
H-statement : Hazard Statement
IATA : International Air Transport Association.
IATA-DGR : Dangerous Goods Regulation by the “International Air Transport Association” (IATA).
ICAO : International Civil Aviation Organization
ICAO-TI (ICAO) : Technical Instructions by the “International Civil Aviation Organization”
IMDG : International Maritime Code for Dangerous Goods
ISO : International Organization for Standardization
logPow : octanol-water partition coefficient
LCxx : Lethal Concentration, for xx percent of test population
LDxx : Lethal Dose, for xx percent of test population.
ICxx : Inhibitory Concentration for xx of a substance
Ecxx : Effective Concentration of xx
N.O.S. : Not Otherwise Specified
OECD : Organization for Economic Co-operation and Development
OEL : Occupational Exposure Limit
P-Statement : Precautionary Statement
PBT : Persistent, Bioaccumulative and Toxic
PPE : Personal Protective Equipment
STEL : Short-term exposure limit
STOT : Specific Target Organ Toxicity
TLV : Threshold Limit Value
TWA : Time-weighted average
vPvB : Very Persistent and Very Bioaccumulative
WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act
DOT : Department of Transportation
FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act
HMIRC : Hazardous Materials Information Review Commission
HMIS : Hazardous Materials Identification System
NFPA : National Fire Protection Association
NIOSH : National Institute for Occupational Safety and Health
OSHA : Occupational Safety and Health Administration
PMRA : Health Canada Pest Management Regulatory Agency
RTK : Right to Know
WHMIS : Workplace Hazardous Materials Information System