

### 1. IDENTIFICATION

<b>Product Name</b>	<b>Latex SBR Solid</b>
<b>Other Names</b>	SBR 1502; Styrene, 1,3-butadiene polymer
<b>Uses</b>	General purpose rubber products (tire, shoe manufacturing, etc).
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	(C <sub>8</sub> H <sub>8</sub> .C <sub>4</sub> H <sub>6</sub> ) <sub>x</sub>
<b>Chemical Name</b>	Latex SBR Solid
<b>Product Description</b>	No Data Available

### Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Redox Pty Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Pty Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Level 2, No. 8, Jalan Sapir 33/7 Seksyen 33, Shah Alam Premier Industrial Park 40400 Shah Alam Sengalor, Malaysia	+60-3-5614-2111

### Emergency Contact Details

*For emergencies only; DO NOT contact these companies for general product advice.*

Organisation	Location	Telephone
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

### 2. HAZARD IDENTIFICATION

**Poisons Schedule (Aust)** Not Scheduled

### Globally Harmonised System

**Hazard Classification** NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Signal Word** None

### National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Dangerous Goods Classification** NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Styrene, 1,3-butadiene polymer	(C8H8.C4H6) <sub>x</sub>	9003-55-8	100 %

## 4. FIRST AID MEASURES

### Description of necessary measures according to routes of exposure

<b>Swallowed</b>	If swallowed: Immediately call a Poison Centre or doctor/physician. Do NOT induce vomiting.
<b>Eye</b>	Eye contact: Immediately flush eyes with running water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation (pain, swelling, tears, dazzling eyes) persists, get medical advice/attention.
<b>Skin</b>	Skin contact: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and shoes, and wash before reuse.
<b>Inhaled</b>	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician if experiencing respiratory symptoms.
<b>Advice to Doctor</b>	Treat symptomatically. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
<b>Medical Conditions Aggravated by Exposure</b>	No information available.

## 5. FIRE FIGHTING MEASURES

<b>General Measures</b>	If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out.
<b>Flammability Conditions</b>	May burn, but does not ignite readily.
<b>Extinguishing Media</b>	Dry chemical, water spray, regular foam, Carbon dioxide (CO <sub>2</sub> ).
<b>Fire and Explosion Hazard</b>	Accumulation of product in areas exposed to elevated temperatures for extended periods (in air) may result in self-heating and autoignition. May be ignited by heat, sparks or flames. Containers may explode when heated.
<b>Hazardous Products of Combustion</b>	Fire will produce irritating and/or toxic gases. Dense smoke is emitted when burned without sufficient oxygen.
<b>Special Fire Fighting Instructions</b>	Dike fire-control water for later disposal; do not scatter the material.
<b>Personal Protective Equipment</b>	Wear SCBA and chemical splash suit.
<b>Flash Point</b>	No Data Available
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	No Data Available

Hazchem Code

No Data Available

## 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Eliminate all ignition sources. Ventilate the area. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.
<b>Clean Up Procedures</b>	Use clean, non-sparking tools to collect material and place it into covered metal or plastic containers for later disposal.
<b>Containment</b>	Stop leak if safe to do so. Prevent entry into waterways, drains or confined areas. Prevent dust cloud.
<b>Decontamination</b>	No information available.
<b>Environmental Precautionary Measures</b>	Prevent entry into waterways and drains. Dispose all contaminated soils.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
<b>Personal Precautionary Measures</b>	Wear appropriate personal protective equipment (see Section 8).

## 7. HANDLING AND STORAGE

<b>Handling</b>	An eye wash unit and safety shower station should be available nearby work place. Handle in accordance with good industrial hygiene and safety practice. Wear suitable protective clothes/equipment and face shield.
<b>Storage</b>	Store in a cool, dry and well-ventilated place. Keep away from ignition sources. Keep away from oxidising materials. Avoid direct sunlight. Store locked up.
<b>Container</b>	Keep in original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	Occupational exposure limits not available for this product. Safe Work Australia Exposure Standard for Rogue dust (inspirable dust): Time Weighted Average (TWA): 10 mg/m <sup>3</sup>
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available.
<b>Engineering Measures</b>	Provide local exhaust ventilation or other engineering controls to keep airborne concentrations as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Use explosion-proof electrical/ventilating/lighting equipment.
<b>Personal Protection Equipment</b>	RESPIRATOR: Wear approved, full or half face-piece (with goggles), respiratory protective equipment when necessary (AS 1715/1716). In case of exposure to particulate material: Face-piece filtering respirator or air-purifying respirator, high-efficiency particulate air filter media, or respirator equipped with powered fan. Eye protection: Wear safety goggles (AS 1336/1337). Hand protection: Wear appropriate protective gloves (AS 2161). Body protection: Wear appropriate protective clothing (AS 3765/2210).
<b>Special Hazards Precautions</b>	No information available.
<b>Work Hygienic Practices</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Solid
<b>Odour</b>	Characteristic (slight)

<b>Colour</b>	Dark brown
<b>pH</b>	No Data Available
<b>Vapour Pressure</b>	No Data Available
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	No Data Available
<b>Melting Point</b>	No Data Available
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Insoluble
<b>Specific Gravity</b>	No Data Available
<b>Flash Point</b>	No Data Available
<b>Auto Ignition Temp</b>	No Data Available
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	0.94
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	No Data Available
<b>Density</b>	No Data Available
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	No Data Available
<b>Net Propellant Weight</b>	No Data Available
<b>Octanol Water Coefficient</b>	No Data Available
<b>Particle Size</b>	No Data Available
<b>Partition Coefficient</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available
<b>Vapour Temperature</b>	No Data Available
<b>Viscosity</b>	No Data Available
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	No Data Available
<b>Potential for Dust Explosion</b>	Accumulation of product in areas exposed to elevated temperatures for extended periods (in air) may result in self-heating and autoignition.
<b>Fast or Intensely Burning Characteristics</b>	No information available.
<b>Flame Propagation or Burning Rate of Solid Materials</b>	No information available.
<b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b>	No information available.
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	May be ignited by heat, sparks or flames.
<b>Reactions That Release Gases or Vapours</b>	Fire will produce irritating and/or toxic gases.
<b>Release of Invisible Flammable Vapours and Gases</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under recommended storage conditions and conditions of normal use.
<b>Conditions to Avoid</b>	Avoid heat, open flames, sparks or other sources of ignition. Avoid direct sunlight. Avoid temperatures above 200 degC.
<b>Materials to Avoid</b>	Oxidising materials.
<b>Hazardous Decomposition Products</b>	Toxic or harmful gases (CO, CO <sub>2</sub> ).

**Hazardous Polymerisation** No information available.

## 11. TOXICOLOGICAL INFORMATION

**General Information** Information on toxicological effects: Not available.  
Carcinogenicity: IARC Group 3 (Not classifiable as to its carcinogenicity to humans).

**Carcinogen Category** None

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No information available.

**Persistence/Degradability** No information available.

**Mobility** No information available.

**Environmental Fate** No information available.

**Bioaccumulation Potential** No information available.

**Environmental Impact** No Data Available

## 13. DISPOSAL CONSIDERATIONS

**General Information** Waste from residues/container must be disposed of in accordance with federal, state and local environmental regulations.

**Special Precautions for Land Fill** No information available.

## 14. TRANSPORT INFORMATION

### Land Transport (Australia)

ADG Code

**Proper Shipping Name** Latex SBR Solid

**Class** No Data Available

**Subsidiary Risk(s)** No Data Available

No Data Available

**UN Number** No Data Available

**Hazchem** No Data Available

**Pack Group** No Data Available

**Special Provision** No Data Available

### Land Transport (Italy)

**Proper Shipping Name** Latex SBR Solid

**Class** No Data Available

**Subsidiary Risk(s)** No Data Available

	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available

#### Land Transport (Malaysia)

ADR

<b>Proper Shipping Name</b>	Latex SBR Solid
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available

#### Land Transport (New Zealand)

NZS5433

<b>Proper Shipping Name</b>	Latex SBR Solid
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available

#### Land Transport (United States of America)

US DOT

<b>Proper Shipping Name</b>	Latex SBR Solid
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available

#### Sea Transport

IMDG Code

<b>Proper Shipping Name</b>	Latex SBR Solid
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>EMS</b>	No Data Available
<b>Marine Pollutant</b>	No

## Air Transport

IATA DGR

<b>Proper Shipping Name</b>	Latex SBR Solid
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available

## National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

<b>Dangerous Goods Classification</b>	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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## 15. REGULATORY INFORMATION

**General Information** No Data Available

**Poisons Schedule (Aust)** Not Scheduled

## Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

**Approval Code** Not Assessed

## National/Regional Inventories

<b>Australia (AICS)</b>	Listed
<b>Canada (DSL)</b>	Listed
<b>Canada (NDSL)</b>	Not Listed
<b>China (IECSC)</b>	Listed
<b>Europe (EINECS)</b>	618-370-2
<b>Europe (REACH)</b>	Pre-registered
<b>Japan (ENCS/METI)</b>	Listed
<b>Korea (KECI)</b>	KE-13258
<b>Malaysia (EHS Register)</b>	Not Listed
<b>New Zealand (NZIoC)</b>	Listed
<b>Philippines (PICCS)</b>	Listed
<b>Switzerland (Giftliste 1)</b>	Not Determined

<b>Switzerland (Inventory of Notified Substances)</b>	Not Determined
<b>Taiwan (NCSR)</b>	Listed
<b>USA (TSCA)</b>	Listed

## 16. OTHER INFORMATION

<b>Related Product Codes</b>	ACBUTA0707, LATEXS6500, RUBSBE5200, RUBSBE5201, RUBSBE6200, RUBSBE7200, RUBSBH1701, RUBSBR1000, RUBSBR1001, RUBSBR1500, RUBSBR1708, RUBSBR1716, RUBSBR1717
<b>Revision</b>	3
<b>Revision Date</b>	27 Mar 2015
<b>Key/Legend</b>	<p>&lt; Less Than &gt; Greater Than  <b>AICS</b> Australian Inventory of Chemical Substances  <b>atm</b> Atmosphere  <b>CAS</b> Chemical Abstracts Service (Registry Number)  <b>cm<sup>2</sup></b> Square Centimetres  <b>CO<sub>2</sub></b> Carbon Dioxide  <b>COD</b> Chemical Oxygen Demand  <b>deg C (°C)</b> Degrees Celcius  <b>EPA (New Zealand)</b> Environmental Protection Authority of New Zealand  <b>deg F (°F)</b> Degrees Farenheit  <b>g</b> Grams  <b>g/cm<sup>3</sup></b> Grams per Cubic Centimetre  <b>g/l</b> Grams per Litre  <b>HSNO</b> Hazardous Substance and New Organism  <b>IDLH</b> Immediately Dangerous to Life and Health  <b>immiscible</b> Liquids are insoluable in each other.  <b>inHg</b> Inch of Mercury  <b>inH<sub>2</sub>O</b> Inch of Water  <b>K</b> Kelvin  <b>kg</b> Kilogram  <b>kg/m<sup>3</sup></b> Kilograms per Cubic Metre  <b>lb</b> Pound  <b>LC50</b> LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.  <b>LD50</b> LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.  <b>ltr</b> or <b>L</b> Litre  <b>m<sup>3</sup></b> Cubic Metre  <b>mbar</b> Millibar  <b>mg</b> Milligram  <b>mg/24H</b> Milligrams per 24 Hours  <b>mg/kg</b> Milligrams per Kilogram  <b>mg/m<sup>3</sup></b> Milligrams per Cubic Metre  <b>Misc</b> or <b>Miscible</b> Liquids form one homogeneous liquid phase regardless of the amount of either component present.  <b>mm</b> Millimetre  <b>mmH<sub>2</sub>O</b> Millimetres of Water  <b>mPa.s</b> Millipascals per Second  <b>N/A</b> Not Applicable  <b>NIOSH</b> National Institute for Occupational Safety and Health  <b>NOHSC</b> National Occupational Heath and Safety Commission  <b>OECD</b> Organisation for Economic Co-operation and Development  <b>Oz</b> Ounce  <b>PEL</b> Permissible Exposure Limit  <b>Pa</b> Pascal  <b>ppb</b> Parts per Billion  <b>ppm</b> Parts per Million  <b>ppm/2h</b> Parts per Million per 2 Hours  <b>ppm/6h</b> Parts per Million per 6 Hours  <b>psi</b> Pounds per Square Inch  <b>R</b> Rankine  <b>RCP</b> Reciprocal Calculation Procedure  <b>STEL</b> Short Term Exposure Limit  <b>TLV</b> Threshold Limit Value</p>



**tne** Tonne  
**TWA** Time Weighted Average  
**ug/24H** Micrograms per 24 Hours  
**UN** United Nations  
**wt** Weight