

# Safety Data Sheet

## HIPREN EM 1723 T

Date of issue: 20.11.2010.

SDS No.: 13  
Version (en): 2

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE

<b>Product name</b>	HIPREN EM 1723 T	
<b>Chemical Family</b>	Synthetic Rubber	
<b>CAS Number</b>	9003-55-8	
<b>Chemical Name</b>	Styrene, 1,3 butadiene copolymer – cold emulsion polymerized. Nitrosoamine free	
<b>Synonyms</b>	SBR, Styrene Butadiene Rubber, Styrene / Butadiene Copolymer	
<b>Type of use</b>	Production of automotive pneumatics, conveyer belts and other dark coloured moulded or pressed products.	
<b>Company</b>	„HIP-Petrohemija“ Pancevo Spoljnostarcevacka 82 26000 Pancevo Republic of Serbia	Customer Service Tel: +381(0)13 307 000 Fax: +381(0)13 310 207 Email (competent person): <a href="mailto:prodaja@hip-petrohemija.rs">prodaja@hip-petrohemija.rs</a> Webpage: <a href="http://www.hip-petrohemija.com">www.hip-petrohemija.com</a>
<b>Supplier</b>	REACHLaw Ltd. (acting as only representative according to REACH Article 8) Keilaranta 15 02150, Espoo, Finland	Tel: +358(0) 9 412 3055 Fax: +358(0) 9 412 3049 Email (competent person): <a href="mailto:SDS@reachlaw.fi">SDS@reachlaw.fi</a> Webpage: <a href="http://www.reachlaw.fi">www.reachlaw.fi</a>
<b>Emergency Contact (24h)</b>	See Section 16. for the list of telephone numbers of poison centers in the European Economic Area	

### SECTION 2: HAZARD IDENTIFICATION

**CLP:** Not classified

**GHS:** Not classified

**Adverse environmental effects**

The preparation is not dangerous for the environment according to the criteria set by the European Union

**Adverse physical-chemical effects**

The preparation is not hazardous in the form in which it is placed on the market and under the normal and recommended conditions of storage and use. The preparation is not dangerous for the health according to the criteria set by the European Union.

**Signs and Symptoms of Acute Exposure**

**Skin** No effect expected by contact with the product at room temperature. Melted product cause burns.

**Inhalation** Irritating vapours may be formed when product is processed at high temperatures.

**Eyes** No hazards expected in normal industrial use at room temperature.

**Ingestion** Ingestion is not considered a potential route of exposure.

**Chronic Health Effects** No known chronic health effects.

**Conditions Aggravated by Exposure** No known conditions are aggravated by this material.

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### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

**EU Inventory** All components listed on European Inventory of Existing Chemical Substances (EINECS)

Component Name	CAS #	EU Inventory EC #	Index No.	Concentration Wt. %
Styrene - Butadiene copolymer	9003-55-8	/	/	67.8
Rosin Sodium Soap	61790-51-0	263-144-5	/	2.35
Fatty Acids <i>(saturated and unsaturated straight</i>	67701-06-8	266-930-6	/	2.35
Staining Anti-oxidant Agent	793-24-8	212-344-0	/	0.5
Extender Oil	64741-88-4	265-090-8	649-454-00-7	27

#### Extender Oil

Classification and Labeling	CLP	GHS
<b>Pictogram</b>		
<b>Classification (Hazard Class and Category Code- GHS)</b>	<b>T; Toxic</b>	<b>DANGER! Carc. 1B</b>
<b>Risk Phrases (Hazard statement -GHS)</b>	<b>R45</b> May cause cancer	<b>H350</b> – May cause cancer

### SECTION 4: FIRST AID MEASURES

<b>General</b>	Use protective clothing and gloves
<b>Inhalation</b>	Irritating vapours may be formed when product is processed at high temperatures. Vapours may cause nausea. Ensure a sufficient air exchange. Move the affected person away from the contaminated area into fresh air; seek medical assistance
<b>Skin</b>	Dust and vapours can slightly irritate skin. Minimize skin contact. No effect expected by contact with the product at room temperature. Melted product cause burns. Wash with plenty of water. In case of contact with melted material, cool down with cold water and seek medical assistance. Do not remove the product that solidified on skin. Treat as a burn. Prevent from frequently or long-time skin contact - protective clothing and gloves. After work wash hands with water and soap, use reparation cream.
<b>Eyes</b>	No hazards expected in normal use at room temperature. Dust – solid particle or gas/vapours released by heath can irritate eyes. Dust can redden eyes. Wash with plenty of water. If irritation persists, seek medical assistance.
<b>Ingestion</b>	Ingestion is not considered a potential route of exposure, but if does – the symptom is abdominal pain. No specific measure requested in case of ingestion. If needed seek medical assistance
<b>Note to Physician</b>	/

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### SECTION 5: FIRE FIGHTING MEASURES

<b>Flammable Properties</b>	The product will burn if involved in fire.
<b>Extinguishing Media</b>	Water, water spray, heavy, medium and light foam, powder (A, B, C), CO <sub>2</sub> . Cool down the crates using water spray.
<b>Extinguishing Media (which shall not be used for safety reasons)</b>	/
<b>Hazardous Combustion Products</b>	The preparation, when involved in a fire, burns with a sooty flame and release fumes made up of water, carbon dioxide, carbon monoxide (when starved of oxygen), hydrocarbons mixture and black. Overheating / pyrolysis evolve vapours made up of monomers, low molecular weight polymers and their oxidation products.
<b>Protective Equipment/Clothing</b>	Use suitable personal protective equipment (self contained breathing apparatus, helmet, goggles, fire resistant gloves, boots).
<b>Fire Fighting Guidance</b>	Stop the fire spreading. Call the fire brigade immediately. Evacuate non-essential personnel. Protective clothing, goggles and self-contained breathing equipment should be made available for firemen.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Extra personal protection</b>	Wear appropriate protective equipment and clothing during cleanup. Individuals without appropriate protective equipment should be excluded from area of spill until cleanup has been completed.
<b>Environmental precautions</b>	Keep away of drains. Do not release into the environment.
<b>Recommended methods for cleaning and disposal</b>	Collect mechanically. Gather the spilled product and keep it in appropriate recipient to reuse, or for later disposal according to national and local laws and regulations.

### SECTION 7: HANDLING AND STORAGE

<b>Handling</b>	<p>During processing, ventilation should be ensured and suitable exhaust systems should be in place. Use gloves and safety glasses. Avoid contact with sources of ignition. Elevated processing temperatures may result in some degree of thermal degradation: as a guideline 200 °C is the maximum allowed temperature for very short time.</p> <p>The preparation is a poor conductor and is likely to accumulate electrostatic charges. Precautions normally used for materials not conductive and against the accumulation of electrostatic charges should be used during processes which employ powdered materials or produce dust (e.g.: reduce speed to the minimum, install earthing systems, the absolute prohibition to smoke and use free flames, use inert gases in mills and closed systems).</p> <p>Comply with personal hygiene measures and use the personal protective equipment. Do not smoke, eat or drink in the workplace.</p>
<b>Storage</b>	Store the preparation in a covered place in sealed packaging, away from sunlight and heat sources. Ensure the proper ventilation in all storage areas. Quantity storage limits are not given.
<b>Specific use(s)</b>	Production of automotive pneumatics, conveyer belts and other dark coloured moulded or pressed products. Handling with material according to Section 7 part Handling.

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### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

ACGIH exposure limit lists have been checked for major components listed with CAS registry numbers. ACGIH has not developed exposure limits for any of this product's components.

#### Chemical Safety Report

**Derived No Effect Levels (DNEL)** Not available

**Predicted No Effect Concentration (PNEC)** Not available

Traces of monomers and other volatile substances may be given off during processing, particularly at unusually high processing temperatures. Workrooms must be provided with adequate ventilation and exhaust equipment to collect dusts and gas/vapours that may be emitted during the conversion. Use personal protective equipment.

**Inhalation** In normal conditions masks with antidust filters should be available to be used when requested

**Hand** Chemical substances resistant gloves. Break through time of glove material: see producer's data.

**Eyes** Not necessary when no powders or vapours are present. Where present, use safety goggles/protection glasses or face shields.

**Skin** Standard work clothes.

**Environmental exposure controls** Environmental exposure controls should be in accordance with applicable regional, national, and local laws and regulations.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state and Appearance</b>	Solid amorphous product pressed to bales	<b>Explosive Properties</b>	No data available
<b>Colour</b>	Dark brown	<b>Oxidizing Properties</b>	No data available
<b>Odour</b>	Slight characteristic odour after used additives	<b>Vapour Pressure</b>	Do not evaporate
<b>Odour Threshold</b>	No value available	<b>Evaporation Rate</b>	Not applicable
<b>pH</b>	Not applicable	<b>Relative Density at 15°C (water=1)</b>	0,940
<b>Boiling Point/Boiling Range</b>	Not determined	<b>Solubility (Water)</b>	Insoluble in water In oils - not found In aromatic solvents – at elevated temperature (hexane, chloroform)
<b>Melting Point</b>	410 °C (for rubbers in general)	<b>Partition Coefficient Octanol/Water (Log Pow)</b>	Not determined
<b>Flash Point</b>	280 °C DIN 51584	<b>Viscosity</b>	Not applicable
<b>Auto-ignition</b>	No data available	<b>Relative Vapour Density (air=1)</b>	Not applicable
<b>Flammability classification</b>	Not classified.	<b>Evaporation</b>	Do not evaporate
<b>Lower Flammable (explosion) Limit</b>	No data available	<b>Additional Physical and Chemical Properties</b>	/
<b>Upper Flammable (explosion) Limit</b>	No data available		

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### SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Stability</b>	The product is stable and inert in the recommended storage and handling conditions
<b>Conditions to Avoid</b>	Exposure to sunlight and excessive heat, sparks or open flame. Accumulation of electrostatic charges.
<b>Substances to Avoid</b>	Avoid contact with strong oxidizers (peroxides, oxygen, chloride compounds, etc.) Some organic solvents, partially hydrocarbon fuels and oils, may degrade this product
<b>Decomposition Products</b>	The preparation, when involved in a fire, burns with a sooty flame and release fumes made up of water, carbon dioxide, carbon monoxide (when starved of oxygen). Overheating / pyrolysis evolve vapours made up of monomers, low molecular weight polymers and their oxidation products.
<b>Hazardous Polymerization</b>	Not expected to occur.
<b>Reactions with Air and Water</b>	Does not react with air, water or other common materials.
<b>Advice to prevent explosion</b>	Avoid Accumulation of electrostatic charges.

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	Long-time inhalation of vapours may cause nausea. Long product contact with unprotected skin may cause skin irritation. Specific information on the product is not available in the literature. Residual monomers are present in the product at trace level, hindered in the elastomer matrix and therefore not available in normal conditions. The elastomer does not present any intrinsic health hazard when processed according to correct working procedures
<b>Repeated Dose Toxicity</b>	No known chronic health effects
<b>Chronic Toxicity</b>	
<b>Carcinogenicity</b>	Not listed by IARC, NTP, OSHA or EPA
<b>Mutagenic effects</b>	Not a known mutagen
<b>Teratogenic effects</b>	Not a known teratogen.
<b>Special Remarks on Other Toxic Effects on Humans</b>	/

### SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity – Acute toxicity</b>	The product is essentially a high molecular weight copolymer, not regarded as ecotoxic
<b>Mobility</b>	Floats on water. Remains on surface of soil
<b>Persistence and Degradability</b>	
<b>Air</b>	In case of accidental discharge there is practically no product evaporation into the air.
<b>Soil</b>	The product has low soil mobility because of its physical-chemical properties. It is possible to remove it mechanically. Use it according to good working practice, and avoid releasing it into the environment.
<b>Water</b>	In case of accidental discharge, the product is insoluble in water
<b>Bioaccumulation</b>	AIR: In case of accidental discharge there is practically no product evaporation into the air.
<b>Biodegradation</b>	SOIL: The product has low soil mobility because of its physical-chemical properties. It is possible to remove it mechanically. Use it according to good working practice, and avoid releasing it into the environment.
<b>Environmental adverse effects</b>	Floats on water.

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### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste disposal

Disposal of leakage substance/preparation: Examine possibilities for re-utilization. Avoid discharging it into the environment. Collect the product in appropriate container for recycling or adequate disposal. Recycling is possible. Contaminated product should be cleaned prior to recycling. Take expert advice for adequate disposal of material residue, according to state, or local regulations. Land filling should be avoided as far as possible. If unavoidable, use approved landfill sites.

Disposal of contaminated packaging: PE-foils and cardboard packages dispose according to state, or local regulations. Wooden crates and steel strips as metal scrap dispose according to state, or local regulations.  
Directive applicable to waste: Directives 91/156/EEC and 91/689/EEC.

### SECTION 14: TRANSPORT INFORMATION

UN Number None

H.I.N. (Kemler number) None

#### Road (ADR) / Rail (RID)/ Water (ADNR)

Proper Shipping Name	STYRENE BUTADIENE RUBBER (copolymer), NOT REGULATED	Required label(s)
UN Number	None	/
Hazard class	Not controlled under ADR	
Transport category	None	
Packaging group	None	

#### Marine (IMO)

Proper Shipping Name	STYRENE BUTADIENE RUBBER (copolymer), NOT REGULATED	Required label(s)
UN Number	None	/
IMDG class	Not controlled under IMDG	
EmS category	None	
Packaging group	None	

#### Air Transport (IATA/ICAO)

Proper Shipping Name	STYRENE BUTADIENE RUBBER (copolymer), NOT REGULATED	Required label(s)
UN Number	None	/
ICAO/IATA class	Not controlled under ICAO/IATA	
Packaging group	None	

### SECTION 15: REGULATORY INFORMATION

#### Regulatory information

The SDS has been prepared according to EC REGULATION No. 1907/2006 REACH. The product has been classified as dangerous according to EC REGULATIONS, No. 1272/2008/EC, No. 1999/45/EC and No. 67/548/EEC.

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### SECTION 16: OTHER INFORMATION

<b>Training advice</b>	Personnel handling the product need to be demonstrably with its hazardous properties, with health and environmental protection principles related to the product and first aid principles.
<b>Recommended uses</b>	THE PRODUCT IS RESTRICTED TO PROFESSIONAL USAGE. Ensure all national/local regulations are observed. Ensure operators understand the flammability hazard. The hazard of asphyxiation is often overlooked and must be stressed during operator training. This Safety Data Sheet has been established in accordance with the applicable European Directives and applies to all countries that have translated the Directives in their national laws. Details given in this document are believed to be correct at the time of going to press. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose.

#### List of telephone numbers of poison centres in the European Economic Area

<b>AUSTRIA</b> (Vienna Wien)	+43 1 40 400 2222
<b>BELGIUM</b> (Brussels Bruxelles)	+32 70 245 245
<b>BULGARIA</b> (Sofia)	+359 2 9154 409 / +359 887 435 325
<b>CZECH REPUBLIC</b> (Prague Praha)	+42 2 2491 9293 or +42 2 2491 5402
<b>DENMARK</b> (Copenhagen)	+45 35 31 54 04
<b>FINLAND</b> (Helsinki )	+358 9 471 977
<b>FRANCE</b> (Paris)	+33 1 40 05 48 48
<b>GERMANY</b> (Berlin)	+49 30 450 653565
<b>GREECE</b> (Athens Athinai)	+30 10 779 3777
<b>HUNGARY</b> (Budapest)	+36 80 20 11 99
<b>ICELAND</b> (Reykjavik)	+354 525 111, +354 543 2222
<b>IRELAND</b> (Dublin)	+353 1 8379964
<b>ITALY</b> (Rome)	+39 06 305 4343
<b>LATVIA</b> (Riga)	+371 704 2468
<b>LITHUANIA</b> (Vilnius)	+370 2 36 20 52, +370 2 36 20 92
<b>NETHERLANDS</b> (Bilthoven)	+31 30 274 88 88
<b>NORWAY</b> (Oslo)	+47 22 591300
<b>POLAND</b> (Gdansk)	+48 58 301 65 16 or +48 58 349 2831
<b>PORTUGAL</b> (Lisbon Lisboa )	808 250 143 (for use only in Portugal), +351 21 330 3284
<b>ROMANIA</b> (Bucharest)	+40 21 230 8000;
<b>SLOVAKIA</b> (Bratislava)	+421 2 54 77 4 166
<b>SLOVENIA</b> (Ljubljana)	+ 386 41 650 500
<b>SPAIN</b> (Barcelona)	+34 93 227 98 33 or +34 93 227 54 00 bleep 190
<b>SWEDEN</b> (Stockholm)	+46 8 33 12 31 (International) 112 (National)
<b>UNITED KINGDOM</b> (London)	0870 243 2241

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Key/Legend	
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ADNR</b>	European Agreement concerning the International Carriage of Dangerous Goods by inland Waterways
<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>CAS</b>	Chemical Abstract Service
<b>EPA</b>	Environmental Protection Agency
<b>EU</b>	European Union
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods
<b>IMO</b>	International Maritime Organization
<b>LC50</b>	Lethal Concentration, concentration of a chemical which kills 50% of a sample population
<b>LD50</b>	Lethal Dose, dose of a chemical which kills 50% of a sample population
<b>NFPA</b>	National Fire Protection Association
<b>NTP</b>	National Toxicology Programme
<b>OSHA</b>	Occupational Safety and Health Administration
<b>RID</b>	International Rule for Transport of Dangerous Substances by Railway

*This information applies to the PRODUCT AS SUCH and conforming to specifications of „HIP- PETROHEMIJA“ Pancevo.*

*In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear.*

*The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. However the revision of some data is in progress. Users are advised of possible additional hazards when the product is used in applications for which it was not intended.*

*This sheet shall only be used and reproduced for prevention and security purposes.*

*The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive.*

*It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product.*

*It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product. (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.*