

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	: Substance
Trade name	: HIPREN EM 1500 T
Compound group	: Synthetic rubber
Chemical name	: Styrene-1,3-butadiene copolymer (cold emulsion copolymerization, without nitrosamine)
CAS No	: 9003-55-8
EC No	: 618-370-2
Formula	: C ₃₆ H ₄₂ X ₂
Synonyms	: SBR / SBR rubber / 1,3-butadiene-styrene copolymer / Styrene-butadiene rubber / Styrene/butadiene copolymer / Styrene, 1,3-butadiene polymer / Styrene-butadienerubber1500 / POLY(STYRENE-CO-BUTADIENE) / Butadiene-styrene rubber / SBR elastomer
Product group	: Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category	: Industrial/Professional use
Use of the substance	: Technical rubber goods, extruded products, heavy conveyer belts, light tires

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

1.3.1. Manufacturer/Supplier

HIP-Petrohemija d.o.o. Pancevo	Tel: + 381 (0) 13 307 000
Spoljnostarcevacka 82	Fax: + 381 (0) 13 310 207
26000 Pancevo	E-mail (person responsible for the SDS):
Republic of Serbia	ivana.kosovic@hip-petrohemija.rs
www.hip-petrohemija.com	
Synthetic rubber Plant	
23208 Elemir	Tel: + 381 (0) 23 758 600
Republic of Serbia	
fsk@hip-petrohemija.rs	

1.4. Emergency telephone number

Poisoning Control Centre	: + 381 (0) 11 266 11 22 (00-24h) + 381 (0) 11 266 27 55 (00-24h) + 381 (0) 11 360 84 40 (00-24h)
HIP-Petrohemija (available during office hours: Monday to Friday)	: + 381 (0) 13 30 77 77 (08-16h)
European Emergency telephone number	: See Section 16 for the Poison centres in the EEA

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Environmental hazards:	Aquatic Chronic 3	H412
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Note: Full text of hazard classes and H-statements: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

The product does not meet the criteria for labelling in accordance with Regulation (EC) No 1272/2008, Annex I.

2.3. Other hazards

PBT/vPvB : The product contains no components considered to be PBT/vPvB in a concentration of $\geq 0,1\%$.

EDCs : The product has no endocrine disrupting potential.

SECTION 3: Composition/information on ingredients

3.1. Substance

Substance name	Product identifier	% (m/m)	Classification according to Regulation (EC) No 1272/2008 [CLP]
Styrene-1,3-butadiene copolymer	(CAS No) 9003-55-8 (EC No) 618-370-2 (Index No) / (REACH No) /	93	Not classified
Resin acids and Rosin acids, sodium salts	(CAS No) 61790-51-0 (EC No) 263-144-5 (Index No) / (REACH No) /	6	Eye Irrit. 2, H319
N-1,3-dimethylbutyl-N'-phenyl-p-phenylenediamine	(CAS No) 793-24-8 (EC No) 212-344-0 (Index No) / (REACH No) /	0,22	Acute Tox. 4, H302 Skin Sens. 1, H317 Repr. 1B, H360 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Phenol, 2-methyl-4,6-bis[(octylthio)methyl]-	(CAS No) 110553-27-0 (EC No) 402-860-6 (Index No) / (REACH No) /	0,12	Not classified

Note: Full text of hazard classes and H-statements: see section 16

3.2. Mixture

Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Wear protective clothes and gloves.

First-aid measures after inhalation : Vapours released by/from melted product causes nausea. Go out to fresh air. Rinse throat with water. If symptoms persist, seek medical attention.

First-aid measures after skin contact : It is not expected that contact with the product at room temperature may cause any effects. Particles and vapours may irritate skin slightly. Minimize contact with skin. After work wash hands with soap and water, and use protective cream. Do not remove solidified product. Cool melted product on skin with plenty of water. In case of thermal burns seek medical attention.

First-aid measures after eye contact : Remove contact lenses, if any. Flush eyes with water thoroughly and continuously for at least 15 minutes. Keep eye wide open while rinsing. If there are signs of irritation, pain, swelling, lachrimation or other symptoms consult an ophthalmologist and seek for advice on further treatment. Remove contact lenses, if any. Flush eyes with water thoroughly. Keep eye wide open while rinsing. If there are signs of irritation, pain, swelling, lachrimation or other symptoms consult an ophthalmologist and seek for advice on further treatment. In case of contact with melted product, immediately cool down the melted product and continue rinsing eyes for at least 15 minutes.

First-aid measures after ingestion : Ingestion is not considered a likely route of exposure. Never give anything by mouth to an unconscious person.

Advice for a doctor : Treat symptomatically.

4.2. Most important symptoms and effects, both acute and delayed

Upon direct contact with the product susceptible persons may suffer from skin/eye irritations.

See Section 11, Toxicological information.

4.3. Indication of any immediate medical attention and special treatment needed

In case of any unwanted reaction or inconvenience, call Poison Control Centre or a doctor and seek medical attention.

See Subsection 1.4, Emergency telephone number.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

: Water, spray water, heavy, medium and light foam, powder (A, B, C) or carbon dioxide.

Unsuitable extinguishing media

: DO NOT use direct water jet.

5.2. Special hazards arising from the substance or mixture

In the case of fire the product burns with sooty flame and releases heavy smoke consisting of water steam, carbon dioxide, carbon monoxide (due to oxygen deficiency), mixture of hydrocarbons and carbon black. Overheating / pyrolysis develop vapours consisting of monomers, polymers of small molecular weights and products of their oxidation.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

: Use self-contained breathing apparatus and protective clothing

See Section 6, Accidental release measures.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: Immediately evacuate all personnel from danger area.

For emergency personnel

: Avoid breathing vapours. Ensure adequate ventilation. Wear adequate personal protective equipment and clothes during cleaning up. Contact with melted material may cause serious thermal burns. Persons without adequate protective equipment should be removed from the zone until cleaning of the spilled material is completed.

6.2. Environmental precautions

Land spillage

: Prevent waste from contaminating the surrounding environment. Discard any product, residue, or liner in an environmentally acceptable manner, in full compliance with federal, state, and local regulations.

Spillages in water or at sea

: Do not discharge into drains/surface waters/groundwater. If the spillage contaminates rivers, lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

Methods for containment

: Collect mechanically.

Methods for cleaning up

: Collect spilled material into adequate containers for regeneration or disposal in accordance with the national and local regulations.

6.4. Reference to other sections

See Section 7, Handling and storage. See Subsection 8.2, Exposure controls. See Section 13, Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Avoid prolonged or repeated contact with skin. Do not get molten material in eyes, on skin or clothing. Apply measures for maintaining personal hygiene and use personal protective equipment. Wear protective gloves and goggles. Wash hands before smoking or eating. Do not smoke, eat or drink at the working place. Take precautionary measures against static discharges. Avoid contact with ignition sources. Section 8: Exposure controls/personal protection.

Hygiene measures

: Wear appropriate personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Safe storage

: The product should be stored in an indoor, dry place, on a flat surface, protected against moisture, dust, dirt, and eventual damage, on temperatures below 30°C and protected against direct sunlight. Provide proper ventilation within the storage space. There are no restrictions regarding the product quantity for storage.

The product shall retain its properties for not longer than one year period provided these conditions are fulfilled at any time during this period. The manufacturer shall not be held responsible for any damage resulting from inappropriate storage of the product. See subsection 10.4, Conditions to avoid and 10.5, Incompatible materials.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure limit values (Workplace Exposure Limits)

No additional information available.

**Directive 2009/161/EU*

8.1.2 Relevant DNELs/PNECs threshold levels

N-1,3-dimethylbutyl-N'-phenyl-p-phenylenediamine (793-24-8)	
DNEL (Workers)	
DNEL short-term, inhalation	56,8 mg/m ³
DNEL long-term, inhalation	1,7 mg/m ³
DNEL (General population)	
DNEL short-term, inhalation	13,6 mg/m ³
DNEL long-term, inhalation	1,7 mg/m ³
DNEL short-term, oral	4 mg/kg bw/day
DNEL long-term, oral	0,5 mg/kg bw/day
PNEC	
PNEC soil	0,0369 mg/kg
PNEC sediment fresh water	0,0458 mg/kg
PNEC sediment marine water	0,00458 mg/kg
PNEC fresh water	0,000371 mg/l
PNEC marine water	0,0000371 mg/l

Resin acids and Rosin acids, sodium salts (CAS 61790-51-0)	
DNEL (Workers)	
DNEL long-term, inhalation	117 mg/m ³
DNEL long-term, dermal	17 mg/kg bw/day
DNEL (General population)	
DNEL long-term, inhalation	35 mg/m ³
DNEL long-term, dermal	10 mg/kg bw/day
DNEL long-term, oral	10 mg/kg bw/day
PNEC	
PNEC soil	0,0369 mg/kg
PNEC sediment fresh water	0,0458 mg/kg
PNEC sediment marine water	0,00458 mg/kg

PNEC fresh water	0,000371 mg/l
PNEC marine water	0,0000371 mg/l

8.2. Exposure controls

Appropriate engineering controls	: Ensure adequate ventilation.
Personal protective equipment	: Wear recommended personal protective equipment. Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses are not necessary if there is no dust or vapours present. If there is dust or vapours present, wear goggles or eyes protection in combination with an insulating apparatus.
Skin and body protection	: Wear suitable protective clothing. Chemically resistant gloves which significantly prevent contact with skin.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazard protection	: Wear thermal protective clothing, when necessary.
Environmental exposure controls	: Avoid release to the environment. Do not discharge into drains.
Other information	: Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Form	: Amorphous product pressed into bales.
Colour	: Dark brown
Odour	: Mild
Odour threshold	: No data available.
PH	: Not applicable.
Melting point/freezing point	: 410°C
Boiling point	: Not applicable.
Flash point	: 280°C
Evaporation rate	: No data available.
Flammability (solid, gas)	: No data available.
Flammability range	: No data available.
Auto-ignition temperature	: No data available.
Critical pressure	: No data available.
Relative density @ 15°C	: 0,940
Solubility in water	: Insoluble
Vapour pressure	: Not applicable.
Partition coefficient (n-octanol/water)	: Not applicable.
Viscosity	: No data available.
Explosive properties	: Not explosive.
Oxidising properties	: No oxidising properties.

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Unreactive under normal conditions of storage and use. Unreactive under normal conditions of storage and use. See further information in subsections below.

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.
See Section 7, *Handling and storage*.

10.3. Possibility of hazardous reactions

No hazardous reactions to be expected if used properly.

10.4. Conditions to avoid

Avoid extreme temperatures. Avoid direct sunlight. Avoid heat sources, open flames and other ignition sources. See Section 7, Handling and storage. *Izbegavati izlaganje vazduhu.*

10.5. Incompatible materials

Avoid contact with strong oxidizing agents, organic solvents. See Section 7, Handling and storage.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Incomplete combustion may form carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). See Section 5.2, Special hazards arising from the substance or mixture.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	: Not classified. Based on available data, the classification criteria are not met.
Skin corrosion/irritation	: Not classified. Based on available data, the classification criteria are not met. pH: Not applicable.
Serious eye damage/irritation	: Not classified. Based on available data, the classification criteria are not met. pH: Not applicable.
Respiratory or skin sensitisation	: Not classified. Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Not classified. Based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified. Based on available data, the classification criteria are not met.
Reproductive toxicity	: Not classified. Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	: Not classified. Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	: Not classified. Based on available data, the classification criteria are not met.
Aspiration hazard	: Not classified. Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Other hazards : No data available.

SECTION 12: Ecological information

12.1. Toxicity

N-1,3-dimethylbutyl-N'-phenyl-p-phenylenediamine (793-24-8)	
LC50 fish, <i>Oryzias latipes</i>	0,028 mg/L (96h)
EC50 <i>Daphnia magna</i>	0,23 mg/L (48h)
EC50 <i>Desmodesmus subspicatus</i>	2,6 mg/L (72h)
NOEC 30d, fish, <i>Oryzias latipes</i>	0,0037 mg/L

12.2. Persistence and degradability

The product is not easily biodegradable.

12.3. Bioaccumulative potential

The product is not bioaccumulative.

12.4. Mobility in soil

The product shows low mobility through earth due to its physical and chemical properties. It is possible to be removed in mechanical way.

12.5. Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB in accordance with REGULATION (EC) No 1907/2006, Annex XIII.

12.6. Endocrine disrupting properties

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

12.7. Other adverse effects

Effect on ozone layer	None
Effect on the global warming	No known effects from this product

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations

: Avoid release to environment. Check for the possibility of reuse. Contaminated packaging should be cleaned before recycling. Collect the product in adequate container for recycle or adequate disposal. Disposal to a landfill should be avoided as far as possible. If necessary use an approved landfill. Users are responsible to define toxicity and physical properties of waste materials so that proper identification of wastes and the way of disposal may be determined in accordance with legal regulations. Contact authorized companies for waste disposal.

Additional information

: PE film, cardboard packaging, wooden pallets, and metal box (waste metal) should be disposed in accordance with national and local regulations.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN/ RID:

14.1. UN number or ID number

UN or ID number : Not applicable.

14.2. UN proper shipping name

Proper Shipping Name : STYRENE BUTADIENE RUBBER (copolymer), NOT REGULATED
Transport document description : Not applicable.

14.3. Transport hazard class(es)

Transport hazard class(es) : Not applicable.
Danger labels : Not applicable.

14.4. Packing group

Packing group : Not applicable.

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

Special precautions for user : See section 7, Handling and storage.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- According to Annex XVII of the REACH Regulation (EC) No 1907/2006, Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: **Not listed.**
- According to Article 59(10) of the REACH Regulation (EC) No 1907/2006, Candidate List of SVHC for Authorisation: **Not listed.**
- According to Annex XIV List of the REACH Regulation (EC) No 1907/2006, List of substances subject to authorisation: **Not listed.**

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Indication of changes : Revised safety data sheet according to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No 2020/878.

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Training advice : THE PRODUCT IS RESTRICTED TO PROFESSIONAL USAGE ONLY and must be handled in accordance with good industrial hygiene and safety procedures.

Relevant hazard classes and H-statements not written out in full under Section 2 and 3:

Acute Tox. 4	: Acute toxicity, Category 4
Skin Sens. 1	: Skin corrosion/irritation, Category 1
Eye Irrit. 2	: Serious eye damage/eye irritation, Category 2
Repr. 1B	: Reproductive toxicity, Category 1B
Aquatic Acute 1	: Hazardous to the aquatic environment, Category Acute 1
Aquatic Chronic 1	: Hazardous to the aquatic environment, Category Chronic 1
Aquatic Chronic 3	: Hazardous to the aquatic environment, Category Chronic 3
H302	: Harmful if swallowed.
H317	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H360	: May damage fertility or the unborn child.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

Poison centres in the EEA:	
AUSTRIA (Vienna)	+43 1 406 68 98
BELGIUM (Bruxelles)	+32 02 264 96 36
BULGARIA (Sofia)	+359 2 9301214 / +359 29301216
CROATIA (Zagreb)	+385 14 686 910
CZECH REPUBLIC (Praha)	+420 267 082 236 / +420 267 082 230 / +420 267 082 229
FRANCE (NANCY)	+ 33 3 83 85 21 92
GERMANY (Berlin)	+49-30-18412-0
GREECE (Athens)	+30 21 064 79250 / +30 21 064 79450
HUNGARY (Budapest)	+36 (1) 476 1135
LATVIA (Riga)	+371 67032600
LITHUANIA (Vilnius)	+370 682 92653
NETHERLANDS (Utrecht)	+31 88 75 585 61
POLAND (Lodz)	+48 42 2538 400
ROMANIA (Bucuresti)	+40 21 318 3606
SLOVAKIA (Bratislava)	+421 2 5465 2307
SLOVENIA (Ljubljana)	+386 1 522 1293

Abbreviations and acronyms:

SDS	: Safety Data Sheet
UN	: United Nations
EU	: European Union
EC	: European Community
EEC	: European Economic Community
CAS No	: Chemical Abstract Service number
EC No (EINECS)	: European Inventory of Existing Commercial Chemical Substances (European Chemical number: EINECS, ELINCS or NLP)
ELINCS	: European List of Notified Chemical Substances
NLP	: No-Longer Polymer
CLP	: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
ECHA	: European Chemicals Agency
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
PBT	: Persistent, Bioaccumulative and Toxic substance/mixture
vPvB	: Very Persistent and very Bioaccumulative substance/mixture
w/w	: Percent by mass
OEL	: Occupational exposure limit values
DNEL	: Derived No Effect Level
PNEC	: Predicted No Effect Concentration
ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	: European Agreement concerning the International Rule for Transport of Dangerous Goods by Rail
ADN	: European Agreement concerning the International Carriage of Dangerous Goods by inland Waterways
IMDG	: International Maritime Dangerous Goods
IATA	: International Air Transport Association

The information and recommendations provide in this document are based on our current knowledge, information and experience at the date of its publication, and their purpose is to present prevention and safety measures in relation to this product. The information given is designed only as a guidance for safe handling, use, processing, storage, transport and disposal. All given information refer only to the product in the form it is supplied. It is the user's responsibility to satisfy itself that the product is suitable for the intended use.

Users are obliged to have their activities harmonized with national, regional and local regulations, which are subject to modifications, and may differ depending on location/state. Users are responsible for handling, storage and manipulation in accordance with effective laws and regulations as required to provide health and safety at work and environmental protection. Since the use of this information and the conditions of use are not within the control of HIP Petrohemija, it is the user's obligation to determine the conditions of safe use of the product.

This version supersedes and replaces all previous versions.