

# SPRINTAN

## Safety Data Sheet

According to OSHA HCS 29CFR 1910.1200

Date of compilation (version no.): 2023/03/07 (1)

grades: SPRINTAN® 3402, SPRINTAN® 4502,  
SPRINTAN® 4601, SPRINTAN® 4602,  
SPRINTAN® 1810

## SECTION 1. Identification

### 1.1. Product identifier

Product name: solution styrene-butadiene rubber  
Trade name: SPRINTAN® 3402  
SPRINTAN® 4502  
SPRINTAN® 4601  
SPRINTAN® 4602  
SPRINTAN® 1810  
CAS no. 9003-55-8 styrene-butadiene copolymer

### 1.2. Relevant identified uses of the mixture and uses advised against

**Identified uses**

Synthetic rubber processing (compounding, production of articles).  
Outdoor and indoor use of rubber articles manufactured from the product by professional users.  
Outdoor and indoor use of rubber articles manufactured from the product by consumers.

### Uses advised against

None.

### 1.3. Details of the supplier of the safety data sheet

Synthos S.A.  
ul. Chemików 1  
32-600 Oświęcim  
Poland  
Tel. + 48 33 844 18 21 ÷ 25  
Fax + 48 33 842 42 18  
e-mail: [reachSD@synthosgroup.com](mailto:reachSD@synthosgroup.com)

### Production plant:

- Poland - Synthos Dwory 7 spółka z ograniczoną odpowiedzialnością, ul. Chemików 1, Oświęcim,
- Germany - Synthos Schkopau GmbH, Straße E 17, 06258 Schkopau,

### 1.4. Emergency telephone number

United States - Local Emergency Contact: +1 703-741-5970

## SECTION 2. Hazard(s) Identification

### 2.1. Classification of the mixture

#### 2.1.1. Classification according to Regulation 29CFR 1910.1200

Not classified

### 2.2. Label elements

The product needs not to be labelled

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### SECTION 3. Composition/Information on Ingredients

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

Information on components

CASRN / EC-No. / Index-No.	Concentration	Component	GHS Classification:
CASRN 9003-55-8 EC-No. Polymer Index-No. —	>= 99,5 %	Styrene, 1,3-butadiene copolymer	Not classified

### SECTION 4. First-Aid Measures

#### 4.1. Description of first aid measures

##### 4.1.1. Inhalation

In case inhalation of vapours released by/from melted product causes nausea go out to fresh air. Rinse throat with water. Consult a physician in case symptoms persist.

##### 4.1.2. Skin contact

Wash skin with plenty of water and soap. Susceptible persons may suffer from skin irritation. Consult a physician in case symptoms persist.

In case of contact of melted product with skin, immediately cool down the melted plastic and surrounding skin with plenty of water. Do not attempt to remove material which has adhered to skin until it has been cooled down to ambient temperature. In case of thermal burns consult a physician.

##### 4.1.3. Eye contact

Thoroughly rinse eyes with plenty of water for at least 15 minutes while lifting the eyelids. In case of contact of melted product with eyes, immediately cool down the melted plastic and continue rinsing eyes for at least 15 minutes. Check for and remove (if any and if possible) contact lenses (unless they adhered to eyes). Provide medical help.

##### 4.1.4. Ingestion/swallow

Consult a physician

#### 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.

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

None.

### SECTION 5. Fire-Fighting Measures

#### 5.1. Extinguishing media



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### 5.1.1. Suitable extinguishing media

Water, heavy, medium and light foam, powder (A, B, C), CO<sub>2</sub>.

### 5.1.2. Unsuitable extinguishing media

Water jet.

### 5.2. Special hazards arising from the mixture

The combustion produces carbon oxides, hydrocarbons mixture.

### 5.3. Advice for fire-fighters

Evacuate personnel from the endangered area immediately

Fire-fighters should wear full bunker gear and SCBA approved by relevant authorities.

Extinguished rubber should be soaked thoroughly with water to cool it down and prevent re-ignition.

Use self-contained breathing apparatus + complete protective clothing.

### 5.4. Other information

Dispose of fire debris and contaminated extinguishing water in accordance with regulations in force.

Collect contaminated extinguishing water separately, do not allow it to reach sewage or effluent systems.

## SECTION 6. Accidental Release Measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Avoid contact with the product. Follow advice and instructions of emergency responders.

#### 6.1.2. For emergency responders

Avoid contact with the product. Wear work clothing and personal protective equipment.

### 6.2. Environmental precautions

None.

### 6.3. Methods and material for containment and cleaning up

#### 6.3.1. Methods and material for containment

Not applicable the product is a solid of low mobility.

#### 6.3.2. Methods and material for cleaning up

Collect the product to a labelled container. Use gloves, and/or broom and shovel. Use or dispose of the material in accordance with regulations in force.

### 6.4. Reference to other sections

Not applicable.

## SECTION 7. Handling and Storage

### 7.1. Precautions for safe handling

Observe basic regulations on occupational health, safety and hygiene as well as operating instructions at the workplace.

Do not eat and drink when handling the product.

Wear proper working clothing. If necessary, use personal protection equipment.

Avoid direct contact with the product.

Avoid contact with eyes.

Ensure proper ventilation of the workplace.

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The logo for Synthos, featuring the word "synthos" in a lowercase, blue, sans-serif font. The letter "o" is stylized with a green hexagonal shape inside it.

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Do not permit dust to accumulate.

### 7.2. Conditions for safe storage, including any incompatibilities

The product should be stored in ventilated rooms at temperature not exceeding 30°C.

Protect against humidity, light and weather conditions.

Keep away from the sources of heat and ignition.

Do not store together with organic solvents.

In case of wooden 1.0 t pallets storage of the product in 2 (two) or more layers (stacking) is not recommended.

For conditions to avoid and incompatible materials see Section 10 of this Safety Data Sheet.

### 7.3. Specific end use(s)

Not applicable.

## SECTION 8. Exposure Controls/Personal Protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limits

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Provide ventilation of the workplace.

#### 8.2.2. Individual protection measures, such as personal protective equipment

##### 8.2.2.1. Eye/face protection

Workers performing activities for which exposure to particles that are capable of causing mechanical injury to the eye have to wear protective goggles.

##### 8.2.2.2. Skin protection

###### Hand protection

Use gloves chemically resistant to this material. Use gloves to protect from mechanical injury. Selection of gloves will depend on the task. Use gloves with insulation for thermal protection, when needed. Examples of preferred glove barrier materials include: Polyvinyl chloride ("PVC" or "vinyl"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

###### Other

Wear work clothing and shoes.

##### 8.2.2.3. Respiratory protection

In case of insufficient ventilation and when dusts are generated wear mask conforming to EN 143 equipped with a P1 type filter.

##### 8.2.2.4. Thermal hazards

The product creates no thermal hazards.

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### 8.2.3. Environmental exposure controls

Avoid release to the environment. Do not discharge into drains.

Emissions from vents and processing equipment have to be controlled in order to determine whether they are in compliance with in force regulations on environmental protection. Basing on results of such controls the need for implementation of relevant environmental risk management measures can be determined.

## SECTION 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

a) Appearance	solid (bales) of white to yellow colour
b) Odour	characteristic
c) Odour threshold	data not available
d) pH	not applicable
e) Melting point/freezing point	data not available
f) Initial boiling point and boiling range	not applicable – decomposes
g) Flash point	data not available
h) Evaporation rate	not applicable
i) Flammability (solid, gas)	burning after ignition
j) Upper/lower flammability or explosive limits	not applicable
k) Vapour pressure	not applicable
l) Vapour density	not applicable
m) Relative density	ca. 1 g/cm <sup>3</sup>
n) Solubility	insoluble in water
o) Partition coefficient: n-octanol/water	not applicable
p) Auto-ignition temperature	not applicable
q) Decomposition temperature	ca. 220°C
r) Viscosity	not applicable
s) Explosive properties	not applicable
t) Oxidising properties	not applicable

### 9.2. Other information

u) Heat of combustion	ca. 45 MJ/kg
v) Polymerization heat	not applicable

## SECTION 10. Stability and Reactivity

### 10.1. Reactivity

See Section 10.3 of this Safety Data Sheet.

### 10.2. Chemical stability

The product is stable under given herein conditions of use and storage.

### 10.3. Possibility of hazardous reactions

Occurrence of hazardous reactions is unlikely.

### 10.4. Conditions to avoid

High temperature, direct sunlight.



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### 10.5. Incompatible materials

Organic solvents, strong oxidizers.

### 10.6. Hazardous decomposition products

Thermal decomposition of the product starts at ca. 220°C and is accompanied by formation and subsequent release of styrene, butadiene and their derivatives.

## SECTION 11. Toxicological Information

No data on toxicological properties of the product as such is available. Hazards which the product creates to the human health and life have been assessed in accordance with rules applicable for mixtures (see also Section 2 of this Safety Data Sheet).

### 11.1. Information on toxicological effects

#### 11.1.1. Acute toxicity

Based on available data, the classification criteria are not met.

#### 11.1.2. Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### 11.1.3. Serious eye damage/irritation

Based on available data, the classification criteria are not met.

#### 11.1.4. Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

#### 11.1.5. Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### 11.1.6. Carcinogenicity

Based on available data, the classification criteria are not met.

#### 11.1.7. Reproductive toxicity

Based on available data, the classification criteria are not met.

#### 11.1.8. STOT-single exposure

Based on available data, the classification criteria are not met.

#### 11.1.9. STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### 11.1.10. Aspiration hazard

Based on available data, the classification criteria are not met.

### 11.2. Information on likely routes of exposure

Dermal, inhalation.

### 11.3. Symptoms related to the physical, chemical and toxicological characteristics

This product is not classified as dangerous.

### 11.4. Delayed and immediate effects as well as chronic effects from short and long-term exposure

This product is not classified as dangerous. Upon direct contact with the product susceptible persons may suffer from skin/eye irritations.

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### SECTION 12. Disposal Considerations

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Recycler. Reclaimer. Incinerator or other thermal destruction device. Landfill. \_

### SECTION 13. Transport Information

		Classification for ROAD and Rail transport (ADR/RID)	Classification for SEA transport (IMO-IMDG):	Classification for AIR transport (IATA/ICAO):
14.1	UN number or ID number	Not applicable	Not applicable	Not applicable
14.2	UN proper shipping name	Not regulated for transport	Not regulated for transport	Not regulated for transport
14.3	Transport hazard class(es)	Not applicable	Not applicable	Not applicable
14.4	Packing group	Not applicable	Not applicable	Not applicable
14.5	Environmental hazards	Not considered environmentally hazardous based on available data.	Not considered as marine pollutant based on available data.	Not applicable
14.6	Special precautions for user	No data available.	No data available.	No data available.
14.7	Maritime transport in bulk according to IMO instruments	Not applicable	Consult IMO regulations before transporting ocean bulk	Not applicable

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

### SECTION 14. Regulatory Information

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

Occupational Safety and Health Administration - The Hazard Communication Standard (HCS) (29 CFR 1910.1200



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California Prop. 65

WARNING: This product can expose you to chemicals including Styrene, 1,3-Butadiene, which is/are known to the State of California to cause cancer, and 1,3-Butadiene which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

## SECTION 15. Other Information

### Revised sections

N/A

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

*This document is of an informative character. The information given herein is based on the present state of our knowledge and experience. It makes neither product properties nor qualitative parameters guarantee and cannot be used as a basis of any claims. The information provided is not applicable for any mixtures of the product with any other materials. The product has to be transported, stored and used in accordance with regulations in force, good occupational hygiene practice and recommendations given its Safety Data Sheet.*

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