

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## SANTOPRENE 191-55 PA BLK (FOR)

Version 1.4      Revision Date: 2024/11/25      SDS Number: 000000058029      Date of last issue: 2024/04/19  
Date of first issue: 2023/07/17

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SANTOPRENE 191-55 PA BLK (FOR)  
Product code : 00000000021054376  
Chemical nature : Thermoplastic elastomer

#### Manufacturer or supplier's details

Company : Celanese (Shanghai) International Trading Co., Ltd  
赛拉尼斯(上海)国际贸易有限公司  
Address : 4560 Jinke Road, Zhangjiang, Pudong  
Shanghai, China 201210  
Telephone : 86-21-38619288  
Emergency telephone : CHEMTREC International phone number: +1-703-527 3887,  
+86 532 8388-9090 (China, 24h)  
E-mail address : HazCom@celanese.com

#### Recommended use of the chemical and restrictions on use

Recommended use : Plastic processing industry

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance : pellets  
Odor : slight

Not a hazardous substance or mixture.

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

#### Physical and chemical hazards

Not classified based on available information.

#### Health hazards

Not classified based on available information.

#### Environmental hazards

Not classified based on available information.

#### Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity:  
1.0569 %

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The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 1.0569 %

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 1.0569 %

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 1.0569 %

### Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract)	64742-54-7	>= 30 -< 50

### 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.  
If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.  
In case of skin contact : Cool skin rapidly with cold water after contact with molten material.  
Do not peel solidified product off the skin.  
Burns must be treated by a physician.  
In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.  
If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Most important symptoms and effects, both acute and delayed : None known.  
Notes to physician : Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water  
Foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)  
Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.  
Hazardous combustion products : Flammable hydrocarbon-like

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Formaldehyde  
Hazardous decomposition products due to incomplete combustion  
Carbon oxides  
Fumes

Specific extinguishing methods : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid dust formation.

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust.  
Sweep up and shovel.  
Keep in suitable, closed containers for disposal.

Prevention of secondary hazards : Material can create slippery conditions.

### 7. HANDLING AND STORAGE

#### Handling

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

Avoidance of contact : Not applicable

#### Storage

Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : No decomposition if stored and applied as directed.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type	Control parameters	Basis
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		(Form of exposure)	ters / Permissible concentration	
Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract)	64742-54-7	TWA (Inhalable particulate matter)	5 mg/m <sup>3</sup>	ACGIH

**Engineering measures** : Local exhaust  
Maintain air concentrations below occupational exposure standards.  
Ensure adequate ventilation.

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.  
Eye/face protection : Safety glasses  
Skin and body protection : Protective suit  
Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Hygiene measures : General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets  
Odor : slight  
Odor Threshold : No data available  
pH : substance/mixture is non-soluble (in water)  
Melting point/ range : For further information, refer to the product technical data sheet.  
Boiling point/boiling range : Not applicable  
Flash point : Not applicable  
Flammability (solid, gas) : May form combustible dust concentrations in air during processing, handling or other means.  
Upper explosion limit / Upper flammability limit : Not applicable  
Lower explosion limit / Lower flammability limit : Not applicable  
Vapor pressure : Not applicable  
Density : For further information, refer to the product technical data sheet.  
Solubility(ies)  
Water solubility : insoluble

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Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	For further information, refer to the product technical data sheet.
Decomposition temperature	:	Not applicable
Viscosity	:	
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable

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### 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned. Dust may form explosive mixture in air.
Conditions to avoid	:	No data available
Incompatible materials	:	Not applicable
Hazardous decomposition products	:	Carbon monoxide Thermal decomposition can lead to release of irritating gases and vapors. Exposure to decomposition products may be a hazard to health.

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified due to lack of data.

#### Components:

##### **Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):**

Acute oral toxicity	:	LD50 (Rat): > 15,000 mg/kg Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	:	LC50 (Rat): > 5.5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Information given is based on data obtained from similar substances.
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity

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### Skin corrosion/irritation

Not classified due to lack of data.

#### Components:

##### Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):

Species : Rabbit  
Assessment : No skin irritation  
Result : Slight or no skin irritation  
Remarks : Minimal effects that do not meet the threshold for classification.  
Information given is based on data obtained from similar substances.

### Serious eye damage/eye irritation

Not classified due to lack of data.

#### Components:

##### Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):

Species : Rabbit  
Result : Slight or no eye irritation  
Assessment : No eye irritation  
Method : OECD Test Guideline 405  
Remarks : Minimal effects that do not meet the threshold for classification.  
Information given is based on data obtained from similar substances.

### Respiratory or skin sensitization

#### Skin sensitization

Not classified due to lack of data.

#### Respiratory sensitization

Not classified due to lack of data.

#### Components:

##### Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):

Species : Guinea pig  
Assessment : Does not cause skin sensitization.  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitization.  
Remarks : Information given is based on data obtained from similar substances.

### Germ cell mutagenicity

Not classified due to lack of data.

### Carcinogenicity

Not classified due to lack of data.

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### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):**

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects., Information given is based on data obtained from similar substances.

Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)

Remarks: Not classified

#### **Reproductive toxicity**

Not classified due to lack of data.

### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):**

Reproductive toxicity - Assessment : No toxicity to reproduction, Animal testing showed no reproductive toxicity., Information given is based on data obtained from similar substances.

Animal testing showed no developmental toxicity., Information given is based on data obtained from similar substances.

#### **STOT-single exposure**

Not classified due to lack of data.

### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

#### **STOT-repeated exposure**

Not classified due to lack of data.

### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

#### **Repeated dose toxicity**

### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):**

Species : Rat  
NOAEL : 2,000 mg/kg  
Application Route : Skin contact  
Test atmosphere : dust/mist  
Exposure time : 90 d  
Remarks : No toxicologically significant effects were found.

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### Aspiration toxicity

Not classified due to lack of data.

### Further information

#### Product:

Remarks : No data available

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: Aquatic toxicity is unlikely due to low solubility.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: Aquatic toxicity is unlikely due to low solubility.  
Information given is based on data obtained from similar substances.

Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (green algae)): Exposure time: 72 h  
Remarks: Aquatic toxicity is unlikely due to low solubility.  
Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): Exposure time: 21 d  
Method: OECD Test Guideline 211  
Remarks: Due to its physical properties, there is no potential for adverse effects.  
Information given is based on data obtained from similar substances.

### Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### Persistence and degradability

#### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract):**

Biodegradability : Result: Not biodegradable

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### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : No data available

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## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Environmentally hazardous : no

#### IATA-DGR

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

#### IMDG-Code

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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### Domestic regulation

#### GB 6944/12268

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Marine pollutant : no

#### Special precautions for user

Not applicable

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## 15. REGULATORY INFORMATION

### National regulatory information

#### Law on the Prevention and Control of Occupational Diseases

#### Regulations on Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals : Not applicable

Catalogue of Hazardous Chemicals : Not listed

Identification of Major Hazard Installations for Hazardous Chemicals (GB 18218) : Not listed

Hazardous Chemicals for Priority Management under SAWS : Not applicable

Hazardous Chemicals for Priority Management under SAWS : Not listed

#### Regulations on Occupational Labor Protection in the at workplaces where Toxic Substances Are Used

Catalogue of Highly Toxic Chemicals : Not listed

#### Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

China Severely Restricted Toxic Chemicals for Import and Export : Not applicable

#### Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

China Severely Restricted Toxic Chemicals for Import and Export : Not listed

#### Regulation on the Administration of Precursor Chemicals

Catalogue and Classification of Precursor Chemicals : Not listed

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### 16. OTHER INFORMATION

Revision Date : 2024/11/25  
Date format : yyyy/mm/dd

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH / TWA : 8-hour, time-weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals 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; WHMIS - Workplace Hazardous Materials Information System

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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