

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SANTOPRENE 191-70 PA BLK (FOR)

Version 1.3 Revision Date: 2024/04/19 SDS Number: 000000058002 Date of last issue: 2024/02/13
Date of first issue: 2023/07/17

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SANTOPRENE 191-70 PA BLK (FOR)
Product code : 00000000021054382
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 number : 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
Odour : 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.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



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Other hazards which do not result in classification

Dust can form an explosive mixture in air.

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
Polypropylene	9003-07-0	>= 10 -< 20

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. FIREFIGHTING MEASURES

Suitable extinguishing media : Water
Foam
Dry chemical
Carbon dioxide (CO₂)

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
Formaldehyde
Hazardous decomposition products due to incomplete combustion
Carbon oxides
Fumes

Specific extinguishing method : Standard procedure for chemical fires.

SAFETY DATA SHEET

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Version 1.3 Revision Date: 2024/04/19 SDS Number: 000000058002 Date of last issue: 2024/02/13
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ods Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters : 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

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract)	64742-54-7	TWA (Inhalable particulate matter)	5 mg/m ³	ACGIH
Polypropylene	9003-07-0	PC-TWA (Total dust)	5 mg/m ³	CN OEL

Engineering measures : Local exhaust
Maintain air concentrations below occupational exposure

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



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Version 1.3 Revision Date: 2024/04/19 SDS Number: 000000058002 Date of last issue: 2024/02/13
Date of first issue: 2023/07/17

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
Odour : slight
Odour 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
Upper explosion limit / Upper flammability limit : Not applicable
Lower explosion limit / Lower flammability limit : Not applicable
Vapour pressure : Not applicable
Density : For further information, refer to the product technical data sheet.
Solubility(ies)
Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Auto-ignition temperature : For further information, refer to the product technical data sheet.
Decomposition temperature : Not applicable
Viscosity
Viscosity, dynamic : Not applicable

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SANTOPRENE 191-70 PA BLK (FOR)

Version 1.3 Revision Date: 2024/04/19 SDS Number: 000000058002 Date of last issue: 2024/02/13
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Viscosity, kinematic : Not applicable

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 vapours.
Exposure to decomposition products may be a hazard to health.

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

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.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SANTOPRENE 191-70 PA BLK (FOR)

Version 1.3 Revision Date: 2024/04/19 SDS Number: 000000058002 Date of last issue: 2024/02/13
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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 sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.

Components:

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

Species : Guinea pig
Assessment : Does not cause skin sensitisation.
Method : OECD Test Guideline 406
Result : Does not cause skin sensitisation.
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.

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

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SANTOPRENE 191-70 PA BLK (FOR)

Version 1.3 Revision Date: 2024/04/19 SDS Number: 000000058002 Date of last issue: 2024/02/13
Date of first issue: 2023/07/17

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.

Aspiration toxicity

Not classified due to lack of data.

Further information

Product:

Remarks : No data available

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SANTOPRENE 191-70 PA BLK (FOR)

Version 1.3 Revision Date: 2024/04/19 SDS Number: 000000058002 Date of last issue: 2024/02/13
Date of first issue: 2023/07/17

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

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SANTOPRENE 191-70 PA BLK (FOR)

Version	Revision Date:	SDS Number:	Date of last issue: 2024/02/13
1.3	2024/04/19	000000058002	Date of first issue: 2023/07/17

Additional ecological information : No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

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

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

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 : Not applicable

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

Not applicable for product as supplied.

National Regulations

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

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



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Version	Revision Date:	SDS Number:	Date of last issue: 2024/02/13
1.3	2024/04/19	000000058002	Date of first issue: 2023/07/17

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

16. OTHER INFORMATION

Revision Date : 2024/04/19
Date format : yyyy/mm/dd

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
CN OEL : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.

ACGIH / TWA : 8-hour, time-weighted average
CN OEL / PC-TWA : Permissible concentration - 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

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