

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## SANTOPRENE TPV345B LD3002 BLK (PS)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/23	000000054306	Date of first issue: 2023/03/23

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SANTOPRENE TPV345B LD3002 BLK (PS)

Product code : 000000000027021687

Chemical nature : Thermoplastic elastomer

#### Manufacturer or supplier's details

Company : Celanese (Shanghai) International Trading Co., Ltd

Address : 4560 Jinke Road, Zhangjiang, Pudong  
Shanghai, China 201210

Telephone :

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

Not a hazardous substance or mixture.

#### 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.

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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

### 4. FIRST AID MEASURES

General advice	: Do not leave the victim unattended.
If inhaled	: If inhalation of melt processing fumes occurs, remove to fresh air. Move to fresh air in case of accidental inhalation of vapours or decomposition products. 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 (CO <sub>2</sub> )
Specific hazards during firefighting	: Do not use a solid water stream as it may scatter and spread fire.

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Hazardous combustion products	: Flammable hydrocarbon-like Formaldehyde Hazardous decomposition products due to incomplete combustion Carbon oxides Fumes
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Standard procedure for chemical fires. Prevent fire extinguishing water from contaminating surface water or the ground water system.
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	: Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
Environmental precautions	: Should not be released into the environment.
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	: During processing, dust may form explosive mixture in air. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.
Advice on safe handling	: Provide adequate ventilation. Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours. Avoid breathing fume. For personal protection see section 8. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Minimize dust generation and accumulation. Smoking, eating and drinking should be prohibited in the application area.

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Avoidance of contact : acetal homopolymers and acetal copolymers  
Halogenated compounds  
Strong oxidizing agents

### Storage

Conditions for safe storage : Maintain dryness of resin  
Electrical installations / working materials must comply with the technological safety standards.  
Handle with care.  
Keep in a dry, cool place.

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

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

### Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.  
Use respiratory protective equipment when using this product at elevated temperatures (see section 8).  
Use respirator when performing operations involving potential exposure to vapour of the product.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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

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Odour	:	slight
Odour Threshold	:	No data available
pH	:	Not applicable
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
Viscosity, kinematic	:	Not applicable

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### 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Hazardous polymerisation does not occur. Stable under recommended storage conditions. No hazards to be specially mentioned.

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Dust may form explosive mixture in air.

Conditions to avoid	:	No data available
Incompatible materials	:	acetal homopolymers and acetal copolymers Halogenated compounds Strong oxidizing agents
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.

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitisation

##### Skin sensitisation

Not classified based on available information.

##### Respiratory sensitisation

Not classified based on available information.

##### Germ cell mutagenicity

Not classified based on available information.

##### Carcinogenicity

Not classified based on available information.

##### Reproductive toxicity

Not classified based on available information.

##### STOT - single exposure

Not classified based on available information.

##### STOT - repeated exposure

Not classified based on available information.

##### Aspiration toxicity

Not classified based on available information.

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### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

No data available

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

#### Product:

Additional ecological information : No data available

### 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Where possible recycling is preferred to disposal or incineration.  
Dispose of in accordance with local regulations.

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

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Packing instruction : Not applicable  
(passenger aircraft)

### 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

### Special precautions for user

Not applicable

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## 15. REGULATORY INFORMATION

### National regulatory information

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## 16. OTHER INFORMATION

Date format : yyyy/mm/dd

### Full text of other abbreviations

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



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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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