

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Santoprene® TPV NP0A BLK1 (NP)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2025/02/12	300010001706	Date of first issue: 2025/02/12

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Santoprene® TPV NP0A BLK1 (NP)  
Product code : 000000000021056599

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.

#### Other hazards which do not result in classification

None known.

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### 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	>= 20 -< 30
Carbon black	1333-86-4	>= 1 -< 10
Polypropylene	9003-07-0	>= 1 -< 10
Polypropylene	9003-07-0	>= 1 -< 10

### 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 vapors 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 fire-fighting : Do not use a solid water stream as it may scatter and spread fire.  
Hazardous combustion products : Flammable hydrocarbon-like  
Formaldehyde

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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 vapors.  
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.

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

#### Storage

Conditions for safe storage : Maintain dryness of resin

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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

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 <sup>3</sup>	ACGIH
Polypropylene	9003-07-0	PC-TWA (Total dust)	5 mg/m <sup>3</sup>	CN OEL
Carbon black	1333-86-4	PC-TWA (Total dust)	4 mg/m <sup>3</sup>	CN OEL
Further information: G2B - Possibly carcinogenic to humans				
		TWA (Inhalable particulate matter)	3 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** : In the case of vapor 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 vapor 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

**Odour** : slight

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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
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
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

### 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Hazardous polymerization does not occur. 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	:	acetal homopolymers and acetal copolymers Halogenated compounds Strong oxidizing agents

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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.

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### 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

##### 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

##### 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 sub-

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stances.

### Respiratory or skin sensitisation

#### 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.

### Carcinogenicity

#### 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.
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Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)  
Remarks: Not classified

### Reproductive toxicity

#### 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.
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### STOT - single exposure

#### Components:

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

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

#### Components:

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

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

## 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.



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### 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:

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  
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

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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.

### 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
Marine pollutant	:	no

### Special precautions for user

Not applicable

## 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 listed

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

Hazardous Chemicals for Priority Management under SAWS : Not listed

### Regulations on Labour Protection in 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 listed

### Measures on the Environmental Administration of New Chemical Substances Registration

Registration/Notification number : B3A32121HGZ70D  
B3A32121HGZ70D

Downstream users need to comply with the conditions of safe use of the chemical, understand the environmental and health hazard and risk management measures identified on the SDS as well as the local/national regulations concerning the chemical.

### Regulation on the Administration of Precursor Chemicals

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Catalogue and Classification of Precursor Chemicals : Not listed

### 16. OTHER INFORMATION

Revision Date : 2025/02/12  
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#### 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

#### 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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