

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## CELSTRAN® PP-GF20-02 EBONY ZHEA

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: 2019/05/07  |
| 1.2     | 2023/04/11     | 000000037055 | Date of first issue: 2019/05/07 |

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CELSTRAN® PP-GF20-02 EBONY ZHEA

Product code : 000000000021019623

#### 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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### Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity: 3.2184 %

The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 3.2184 %

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 3.2184 %

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 3.2184 %

### Other hazards which do not result in classification

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Components

| Chemical name           | CAS-No.    | Concentration (% w/w) |
|-------------------------|------------|-----------------------|
| Polypropylene           | 9003-07-0  | >= 70 -< 90           |
| glass, oxide, chemicals | 65997-17-3 | >= 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.<br>If symptoms persist, call a physician.                                                                 |
| In case of skin contact                                     | : Cool skin rapidly with cold water after contact with molten material.<br>Do not peel solidified product off the skin.<br>Burns must be treated by a physician.                |
| In case of eye contact                                      | : Remove contact lenses.<br>Protect unharmed eye.<br>If eye irritation persists, consult a specialist.                                                                          |
| If swallowed                                                | : Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>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

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|                                               |   |                                                                                                                                                   |
|-----------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                  | : | Water<br>Foam<br>Dry chemical<br>Carbon dioxide (CO <sub>2</sub> )                                                                                |
| Specific hazards during firefighting          | : | Do not use a solid water stream as it may scatter and spread fire.                                                                                |
| Hazardous combustion products                 | : | Carbon oxides                                                                                                                                     |
| Specific extinguishing methods                | : | Standard procedure for chemical fires.<br>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 breathing dust.<br>Ensure adequate ventilation.<br>Avoid dust formation.                                                   |
| Environmental precautions                                           | : | No special environmental precautions required.                                                                                   |
| Methods and materials for containment and cleaning up               | : | Pick up and arrange disposal without creating dust.<br>Sweep up and shovel.<br>Keep in suitable, closed containers for disposal. |

### 7. HANDLING AND STORAGE

#### Handling

|                                                 |   |                                                                                                                                                                    |
|-------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : | During processing, dust may form explosive mixture in air.<br><br>Provide appropriate exhaust ventilation at places where dust is formed.                          |
| Advice on safe handling                         | : | For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Minimize dust generation and accumulation. |
| Avoidance of contact                            | : | Not applicable                                                                                                                                                     |

#### Storage

|                             |   |                                                                                                                                 |
|-----------------------------|---|---------------------------------------------------------------------------------------------------------------------------------|
| Conditions for safe storage | : | Electrical installations / working materials must comply with the technological safety standards.<br>Keep in a dry, cool place. |
|-----------------------------|---|---------------------------------------------------------------------------------------------------------------------------------|

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Maintain dryness of resin

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<br>(Form of exposure)            | Control parameters /<br>Permissible concentration | Basis  |
|-------------------------|------------|---------------------------------------------|---------------------------------------------------|--------|
| Polypropylene           | 9003-07-0  | PC-TWA<br>(Total dust)                      | 5 mg/m <sup>3</sup>                               | CN OEL |
| glass, oxide, chemicals | 65997-17-3 | TWA (fibres)                                | 1 fibres per cubic<br>centimeter                  | ACGIH  |
|                         |            | TWA<br>(Inhalable<br>particulate<br>matter) | 5 mg/m <sup>3</sup>                               | ACGIH  |
|                         |            | TWA (fibres)                                | 1 fibres per cubic<br>centimeter                  | ACGIH  |
|                         |            | TWA (fibres)                                | 1 fibres per cubic<br>centimeter                  | ACGIH  |

Engineering measures : Local exhaust

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Eye/face protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets

Odour : slight

Melting point/range : 160 °C

Flash point : Not applicable

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|                                     |   |                                                                     |
|-------------------------------------|---|---------------------------------------------------------------------|
| Density                             | : | 1.05 - 1.5 g/cm <sup>3</sup> (20 °C)                                |
| Solubility(ies)<br>Water solubility | : | insoluble                                                           |
| Auto-ignition temperature           | : | For further information, refer to the product technical data sheet. |

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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.<br>No hazards to be specially mentioned.<br>Dust may form explosive mixture in air. |
| Conditions to avoid                | : | No data available                                                                                                                |
| Incompatible materials             | : | Not applicable                                                                                                                   |

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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.

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### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks : No data available

## 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.<br>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 |

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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

### 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

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## 16. OTHER INFORMATION

Date format : yyyy/mm/dd

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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

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