

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## GUR 422 FINES NATURAL

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: -           |
| 1.0     | 2021/10/08     | 000000045336 | Date of first issue: 2021/10/08 |

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GUR 422 FINES NATURAL

Product code : 000000000021045363

#### 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 | : powder |
| 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.

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

May form explosible dust-air mixture if small particles are generated during further processing, handling, or by other means.

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|         |                |              |                                 |
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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Components

| Chemical name | CAS-No.   | Concentration (% w/w) |
|---------------|-----------|-----------------------|
| Polyethylene  | 9002-88-4 | <= 100                |

### 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

|                                      |                                                                                                                                                                                                                                         |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.<br>Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |
| Hazardous combustion products        | : Carbon oxides                                                                                                                                                                                                                         |
| Specific extinguishing               | : Standard procedure for chemical fires.                                                                                                                                                                                                |

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|                |                              |                             |                                                          |
|----------------|------------------------------|-----------------------------|----------------------------------------------------------|
| Version<br>1.0 | Revision Date:<br>2021/10/08 | SDS Number:<br>000000045336 | Date of last issue: -<br>Date of first issue: 2021/10/08 |
|----------------|------------------------------|-----------------------------|----------------------------------------------------------|

|                                               |                                                                                                         |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------|
| methods                                       | 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 | : Remove all sources of ignition.<br>Avoid dust formation.<br>Avoid breathing dust.<br>Ensure adequate ventilation.                                                                                                                          |
| 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>Do not create a powder cloud by using a brush or compressed air.<br>Non-sparking tools should be used.<br>Keep in suitable, closed containers for disposal. |

### 7. HANDLING AND STORAGE

#### Handling

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : Provide appropriate exhaust ventilation at places where dust is formed.<br>During processing, dust may form explosive mixture in air.<br>Take measures to prevent the build up of electrostatic charge.<br>Do not empty bag over drums with ignitable gas mixtures.<br>Use explosion-proof equipment.                                                                                                                                                                            |
| 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.<br>Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.<br>Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.<br>Ensure all equipment is electrically grounded before beginning transfer operations. |
| Avoidance of contact                            | : Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

#### Storage

|                             |                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conditions for safe storage | : Keep containers tightly closed in a dry, cool and well-ventilated place.<br>Maintain dryness of resin<br><br>Electrical installations / working materials must comply with the technological safety standards. |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## GUR 422 FINES NATURAL

Version 1.0      Revision Date: 2021/10/08      SDS Number: 000000045336      Date of last issue: -  
Date of first issue: 2021/10/08

Materials to avoid : No materials to be especially mentioned.

### 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  |
|--------------|-----------|----------------------------------|---------------------------------------------------|--------|
| Polyethylene | 9002-88-4 | PC-TWA<br>(Total dust)           | 5 mg/m <sup>3</sup>                               | CN OEL |

**Engineering measures** : Local exhaust  
Use explosion-proof equipment.

#### Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Particulates type

Eye/face protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Odour : slight

Flash point : Not applicable

Density : 0.92 - 0.95 g/cm<sup>3</sup> (25 °C)  
Method: ISO 1183-1

Solubility(ies)  
Water solubility : insoluble

Auto-ignition temperature : > 350 °C

### 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

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|                |                              |                             |                                                          |
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|                                    |   |                                                                                                                                  |
|------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                   |

### 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.

#### Further information

#### Product:

Remarks : No data available

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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

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### 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

Not regulated as a dangerous good

#### 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

### 16. OTHER INFORMATION

Date format : yyyy/mm/dd

#### Full text of other abbreviations

CN OEL : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.  
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; 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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### Disclaimer

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