

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## CELCON® M90-07 CC35303K25 GK2 FOR UV90Z

|                |                              |                             |  |
|----------------|------------------------------|-----------------------------|--|
| Version<br>1.1 | Revision Date:<br>2023/01/30 | SDS Number:<br>000000036903 | Date of last issue: -<br>Date of first issue: 2019/05/07 |
|----------------|------------------------------|-----------------------------|--|

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CELCON® M90-07 CC35303K25 GK2 FOR UV90Z

Product code : 000000000051012487

#### 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

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

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

| Chemical name                | CAS-No.   | Concentration (% w/w) |
|------------------------------|-----------|-----------------------|
| Cobalt aluminate blue spinel | 1345-16-0 | $\geq 1$ -< 10        |
| diiron trioxide              | 1309-37-1 | $\geq 1$ -< 10        |

### 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 (CO<sub>2</sub>)

Specific hazards during : Do not use a solid water stream as it may scatter and spread

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|   |   |
|---|---|
| firefighting                                  | 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                         | : Minimize dust generation and accumulation.<br><br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area. |
| Avoidance of contact                            | : Not applicable   |

#### Storage

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

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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  |
|------------------------------|---|--|---|--------|
| Cobalt aluminate blue spinel | 1345-16-0   | PC-TWA                                 | 0.05 mg/m3<br>(Cobalt)                            | CN OEL |
|                              | Further information: G2B - Possibly carcinogenic to humans, Sensitizing |  |   |        |
|                              |   | PC-STEL                                | 0.1 mg/m3<br>(Cobalt)                             | CN OEL |
|                              | Further information: G2B - Possibly carcinogenic to humans, Sensitizing |  |   |        |
|                              |   | TWA<br>(Inhalable particulate matter)  | 0.02 mg/m3<br>(Cobalt)                            | ACGIH  |
| diiron trioxide              | 1309-37-1   | TWA<br>(Respirable particulate matter) | 5 mg/m3   | ACGIH  |

#### Biological occupational exposure limits

| Components                   | CAS-No.   | Control parameters | Biological specimen | Sampling time                   | Permissible concentration | Basis     |
|------------------------------|-----------|--------------------|---------------------|---------------------------------|---------------------------|-----------|
| Cobalt aluminate blue spinel | 1345-16-0 | Cobalt<br>(Cobalt) | Urine               | End of shift at end of workweek | 15 µg/l                   | ACGIH BEI |

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

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Hygiene measures : General industrial hygiene practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                     |  |
|-------------------------------------|--|
| Appearance                          | : pellets  |
| Odour                               | : slight   |
| Melting point/range                 | : For further information, refer to the product technical data sheet.<br>164 °C                                  |
| Flash point                         | : Not applicable   |
| Vapour pressure                     | : not determined   |
| Density                             | : For further information, refer to the product technical data sheet.<br>ca. 1.4 - 1.8 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.  |

### 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   |
| Hazardous decomposition products   | : No data available  |

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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.

#### 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

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### Mobility in soil

No data available

### Other adverse effects

#### Product:

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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  
Packing instruction (passenger aircraft) : Not applicable

#### **IMDG-Code**

UN number : Not applicable

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

## 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

|                  |   |
|------------------|---|
| ACGIH            | : USA. ACGIH Threshold Limit Values (TLV)   |
| ACGIH BEI        | : ACGIH - Biological Exposure Indices (BEI)   |
| 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   |
| CN OEL / PC-STEL | : Permissible concentration - short term exposure limit   |

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

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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; TECL - 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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CN / EN