

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## CELCON® M90-07 CY34258K25 2T5 FOR CKX-5643

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: -           |
| 1.1     | 2021/10/07     | 000000036591 | Date of first issue: 2019/05/07 |

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CELCON® M90-07 CY34258K25 2T5 FOR CKX-5643

Product code : 000000000021015037

#### 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

#### Components

| Chemical name                        | CAS-No.    | Concentration (% w/w) |
|--------------------------------------|------------|-----------------------|
| titanium dioxide                     | 13463-67-7 | $\geq 1$ - < 10       |
| chrome antimony titanium buff rutile | 68186-90-3 | $\geq 1$ - < 10       |
| Carbon black                         | 1333-86-4  | $\geq 1$ - < 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.<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 fire-fighting         | : 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.                                                                            |

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### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid dust formation.  
Avoid breathing dust.  
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.  
Sweep up and shovel.  
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.  
During processing, dust may form explosive mixture in air.
- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
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.  
Keep in a dry, cool place.  
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 / Permissible concentration | Basis  |
|------------------------------------------------------------|------------|----------------------------------|------------------------------------------------|--------|
| titanium dioxide                                           | 13463-67-7 | PC-TWA<br>(Total dust)           | 8 mg/m3                                        | CN OEL |
| Further information: G2B - Possibly carcinogenic to humans |            |                                  |                                                |        |
|                                                            |            | TWA                              | 10 mg/m3<br>(Titanium dioxide)                 | ACGIH  |
| chrome antimony titanium buff<br>rutile                    | 68186-90-3 | PC-TWA                           | 0.5 mg/m3<br>(antimony)                        | CN OEL |
|                                                            |            | TWA                              | 0.5 mg/m3<br>(antimony)                        | ACGIH  |
|                                                            |            | TWA                              | 10 mg/m3                                       | ACGIH  |

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|                                                            |           |                                     |                    |        |
|------------------------------------------------------------|-----------|-------------------------------------|--------------------|--------|
|                                                            |           |                                     | (Titanium dioxide) |        |
| Carbon black                                               | 1333-86-4 | PC-TWA<br>(Total dust)              | 4 mg/m3            | CN OEL |
| Further information: G2B - Possibly carcinogenic to humans |           |                                     |                    |        |
|                                                            |           | TWA (Inhalable particulate matter)  | 3 mg/m3            | ACGIH  |
| diiron trioxide                                            | 1309-37-1 | TWA (Respirable particulate matter) | 5 mg/m3            | ACGIH  |

### Biological occupational exposure limits

| Components                           | CAS-No.    | Control parameters | Biological specimen | Sampling time | Permissible concentration | Basis  |
|--------------------------------------|------------|--------------------|---------------------|---------------|---------------------------|--------|
| chrome antimony titanium buff rutile | 68186-90-3 | antimony           | Urine               | End of shift  | 85 µg/l                   | CN 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  
Hygiene measures : General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets  
Odour : slight  
: > 160 °C  
Flash point : Not applicable  
Vapour pressure : not determined  
Density : 1.4 - 1.8 g/ml (20 °C)  
Solubility(ies)  
Water solubility : insoluble  
Auto-ignition temperature : > 320 °C

## 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.  
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 | : | 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

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

No data available

#### Persistence and degradability

No data available

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### Bioaccumulative potential

No data available

### 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**

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

|                 |                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------|
| ACGIH           | : USA. ACGIH Threshold Limit Values (TLV)                                                         |
| CN BEI          | : China. Biological Occupational Exposure Indices                                                 |
| 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; 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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