

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name:** MEGAPOL F 4500

· **Article number:** 72-5B3.9007

· **Version number:** 4

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture:** Powder coating material

· **1.3 Details of the supplier of the safety data sheet**

· **Identification of the company/undertaking:**

CIN Industrial Coatings, S.A. - Av de Dom Mendo, nº 330 - 4474-009 Maia - Portugal  
Tel. + (351) 22 940 5000 - customerservice@cin.com

CIN - Corporação Industrial do Norte, S.A. - Av de Dom Mendo, nº 831 (antes EN13 km6)  
4474-009 Maia - Portugal - Tel. + (351) 22 940 5000 - customerservice@cin.com

CIN Valentine, S.A.U. - P. I. Can Milans - Riera Seca, 1 08110 Montcada i Reixac - España  
Tel. + (34) 93 565 66 00 - customerservice.es@cin.com

CIN Celliose, S.A. - Chemin de la Verrerie - BP 58 - 69492 Pierre Bénite Cedex - France  
Tel. + (33) (0) 472 397 777 - customerservice.fr@cin.com

CIN Monopol, S.A. - 56 Allée Bernard Palissy - ZI des Auréats - 26000 Valence – France  
Tel. + (33) (0) 475 442 117 - monopol@monopol-sa.com

CIN Soritec, S.A. - Calle Germans Valls, s/n, P. I. Gaserans - 17450 Hostalric Girona – España  
Tel. + (34) 972 86 55 90 - customerservice@cin.com

CIN Govesan, S.L.U. - Calle del Oro - 28770 Colmenar Viejo - Madrid – España  
Tel. + (34) 91 846 30 00 - customerservice@cin.com

· **Further information obtainable from:**

E-mail address of the competent person responsible for the Safety Data Sheet: msds@cin.com

· **1.4 Emergency telephone number:**

Portugal:

- CIN, S.A. e CIN Industrial Coatings, S.A.: + (351) 22 940 5000

- Antipoison Information Center: + (351) 800 250 250

- Emergency Service (24 hours): + (351) 21 352 4765

Spain:

- CIN Valentine, S.A.U.: + (34) 93 565 66 00

- CIN Soritec, S.A. (office hours): +(34) 91 847 38 00

- CIN Govesan, S.L.U. (office hours): + (34) 918 46 30 00

France:

- CIN Celliose, S.A (office hours): + (33) (0) 472 397 777

- CIN Monopol, S.A. (office hours): + (33) (0) 475 442 117

### SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 7727-43-7 EINECS: 231-784-4 Reg.nr.: 01-2119491274-35	barium sulfate substance with a Community workplace exposure limit	25-50%
CAS: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17	titanium dioxide substance with a Community workplace exposure limit	2.5-10%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** It might be necessary to use self-contained respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
No special measures required.  
To remove contaminated clothing and protective equipment before entering eating areas.  
To wash hands after use.  
Not to eat, drink and smoke in work areas.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

#### 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

##### CAS: 7727-43-7 barium sulfate

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*inhalable dust \*\*respirable dust

##### CAS: 13463-67-7 titanium dioxide

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*total inhalable \*\*respirable

#### DNELs

##### CAS: 7727-43-7 barium sulfate

Oral	DNEL Long term systemic effects	13,000 mg/kg/day/ (consumers)
Inhalative	DNEL Long term systemic effects	10 mg/m <sup>3</sup> / (consumers)
		10 mg/m <sup>3</sup> / (workers)
	DNEL Short term local effects	10 mg/m <sup>3</sup> / (workers)

##### CAS: 13463-67-7 titanium dioxide

Oral	DNEL Long term systemic effects	700 mg/kg/day/ (consumers)
Inhalative	DNEL Long term systemic effects	10 mg/m <sup>3</sup> / (consumers)
		10 mg/m <sup>3</sup> / (workers)

- **Additional information:** The lists valid during the making were used as basis.

#### 8.2 Exposure controls

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

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- **Respiratory protection:**  
If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required.

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Solid
<b>Colour:</b>	According to product specification
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	Undetermined.
- **Flash point:** >100 °C
- **Flammability (solid, gas):** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Risk of explosion of the mixture powder/air in the presence of sources of ignition
- **Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
- **Vapour pressure:** Not applicable.
- **Density at 20 °C:** 1.598 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density** Not applicable.
- **Evaporation rate** Not applicable.

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- |  |  |
|--|--|
| · <b>Solubility in / Miscibility with water:</b> | Insoluble.                                 |
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined.                            |
| · <b>Solids content (w/w):</b>                   | 100.0 %                                    |
| · <b>9.2 Other information:</b>                  | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

**CAS: 13463-67-7 titanium dioxide**

Oral	LD50	>5,000 mg/kg/ (rat)
Dermal	LD50	>2,000 mg/kg/ (rbt)
Inhalative	LC50/4 h	6.82 mg/l/ (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**CAS: 13463-67-7 titanium dioxide**

EC50/48 h	>100 mg/l/ (daphnia magna)
EC50r/72 h	>100 mg/l/ (pseudokirchneriella subcapitata (algae))
EL50/48 h	>100 mg/l/ (daphnia magna)

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LC50/96 h >1,000 mg/l/ (pim)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Product Recommendation:**  
Disposal must be made according to official regulations.  
Contact waste processors for recycling information.  
The information given is based on Directive (EU) 2008/98.
- **European waste catalogue**  
This product is not considered a hazardous waste as defined by EU Directive 2008/98/EC.
- **European waste catalogue** 08 01 12 - waste paint and varnish not covered by 08 01 11
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |                 |
|--|-----------------|
| · <b>14.1 UN-Number</b>  |                 |
| · <b>ADR, ADN, IMDG, IATA</b>  | Void            |
| · <b>14.2 UN proper shipping name</b>  |                 |
| · <b>ADR, ADN, IMDG, IATA</b>  | Void            |
| · <b>14.3 Transport hazard class(es)</b>   |                 |
| · <b>ADR, ADN, IMDG, IATA</b>  |                 |
| · <b>Class</b>   | Void            |
| · <b>14.4 Packing group</b>  |                 |
| · <b>ADR, IMDG, IATA</b>   | Void            |
| · <b>14.5 Environmental hazards:</b>   | Not applicable. |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>  | Void            |

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### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

None of the ingredients is listed.

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

- **Other regulations, limitations and prohibitive regulations**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:**

See adress in section 1 on this MSDS

CIN Industrial Coatings - Capital Social € 2.250.000 - C.R.C. da Maia / NIPC: 504 160 583

CIN - Capital Social € 25.000.000 - C.R.C. da Maia / NIPC: 500 076 936

CIN Valentine - C. Soc. € 10.000.000 - CIF A61356713 - Reg. M. Barcelona,

CIN Celliose - Capital Social. € 1.128.195 - TVA 775643976 - RCS de Lyon 775 643 976

CIN Monopol - SAS au capital de € 1.887.520 - RCS Romans 419691696 – TVA 419691696

CIN Soritec - Capital Social € 552.432

CIN Govesan - Capital Social € 3.000

- **Contact:** See adress in section 1 on this MSDS

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

- **\* Data compared to the previous version altered.**