

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- **Trade name:** **RPSP-7925**
- **Article number:** 71-P02.G7V3
- **Version number:** 10

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

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

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

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) 97 286 55 90 - 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

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SECTION 2: Hazards identification


- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with regional/national regulations.
- **Additional information:**
EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.
- **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: consisting of the following components.

· **Dangerous components:**

| | | |
|---|---|----------|
| CAS: 7727-43-7 EINECS: 231-784-4 Reg.nr.: 01-2119491274-35 | barium sulfate substance with a Community workplace exposure limit | 10-25% |
| 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% |
| CAS: 7779-90-0 EINECS: 231-944-3 Reg.nr.: 01-2119485044-40 | trizinc bis(orthophosphate)  Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | ≥1-<2.5% |

· **Additional information:**

This mixture contains ≥ 1% titanium dioxide (CAS 13463-67-7) The Annex VI classification of Titanium dioxide does not apply to this mixture according to its Note 10.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **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.

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- **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 product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
- **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**
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

- **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 ³ *inhalable dust **respirable dust |
|-----|---|

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CAS: 13463-67-7 titanium dioxide

WEL Long-term value: 10* 4** mg/m³
*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 ³ (consumers) |
| | | 10 mg/m ³ (workers) |
| | DNEL Short term local effects | 10 mg/m ³ (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 ³ (consumers) |
| | | 10 mg/m ³ (workers) |

CAS: 7779-90-0 trizinc bis(orthophosphate)

| | | |
|------------|---------------------------------|-----------------------------------|
| Oral | DNEL Long term systemic effects | 0.83 mg/kg/day (consumers) |
| Dermal | DNEL Long term systemic effects | 83 mg/kg bw/24h (consumers) |
| | | 83 mg/kg bw/24h (workers) |
| Inhalative | DNEL Long term systemic effects | 2.5 mg/m ³ (consumers) |
| | | 5 mg/m ³ (workers) |

· PNECs

CAS: 7727-43-7 barium sulfate

PNEC water mg/l (fresh water)

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

· 8.2 Exposure controls

· Appropriate engineering controls No further data; see item 7.

· Individual protection measures, such as personal protective equipment

· General protective and hygienic measures: Wash hands before breaks and at the end of work.

· Respiratory protection:

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

· Hand protection

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.

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· **Eye/face protection** Not required.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Solid

· **Colour:**

According to product specification

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

Undetermined.

· **Flammability**

Not determined.

· **Lower and upper explosion limit**

· **Lower:**

30 g/m³

· **Upper:**

80 g/m³

In powder coating booths, the technical ventilation must be such that an average concentration in powder coating in the air of 50% of the lower explosion limit is not exceeded. (Recommendation of CEPE Safe Powder Guide (2020)).

· **Flash point:**

Not applicable.

· **Auto-ignition temperature:**

Product is not selfigniting.

· **Decomposition temperature:**

Not determined.

· **pH**

Mixture is non-soluble (in water).

· **Kinematic viscosity 40 °C**

· **Solubility**

· **water:**

Insoluble.

· **Partition coefficient n-octanol/water (log value)**

Not determined.

· **Vapour pressure:**

Not applicable.

· **Density and/or relative density**

· **Density at 20 °C:**

1.589 g/cm³

· **Relative density**

Not determined.

· **Vapour density**

Not applicable.

· **Particle characteristics**

See item 3.

· **9.2 Other information:**

· **Appearance:**

· **Form:**

Solid

· **Important information on protection of health and environment, and on safety.**

· **Explosive properties:**

Product does not present an explosion hazard.

· **Solvent separation test:**

· **Solids content (w/w):**

100.0 %

· **Change in condition**

· **Evaporation rate**

Not applicable.

· **Information with regard to physical hazard classes**

· **Explosives**

Void

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| | |
|--|------|
| · Flammable gases | Void |
| · Aerosols | Void |
| · Oxidising gases | Void |
| · Gases under pressure | Void |
| · Flammable liquids | Void |
| · Flammable solids | Void |
| · Self-reactive substances and mixtures | Void |
| · Pyrophoric liquids | Void |
| · Pyrophoric solids | Void |
| · Self-heating substances and mixtures | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids | Void |
| · Oxidising solids | Void |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |
| · Desensitised explosives | Void |

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 hazard classes as defined in Regulation (EC) No 1272/2008**
- **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) |

CAS: 7779-90-0 trizinc bis(orthophosphate)

| | | |
|------------|----------|--------------------|
| Oral | LD50 | >5,000 mg/kg (rat) |
| Inhalative | LC50/4 h | >5.7 mg/l (rat) |

- **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.
- **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.

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- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

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

CAS: 7779-90-0 trizinc bis(orthophosphate)

| | |
|-----------|--|
| EC50/48 h | >2.44 mg/l (daphnia magna) |
| LC50/96 h | >10,000 mg/l (brachydanio rerio) 0.14-2.6 mg/l (fish) |

- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Remark:** Harmful to fish
- **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.
Harmful to aquatic organisms

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.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
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 and Commission notice on technical guidance on the classification of waste (2018/C 124/01).

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- **European waste catalogue**
08 01 12: waste paint and varnish other than those mentioned in 08 01 11
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN number or ID number · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Void |
| · 14.4 Packing group · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Void |

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.

· **Regulation (EU) No. 649/2012 concerning the export and import of hazardous chemicals**

None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) No. 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

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· Regulation (EC) No. 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No. 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· REGULATION (EC) No. 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone- depleting potential)

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

· **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.

· Phrases from sections 2 and 3

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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

Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· Department issuing SDS:

See adress in section 1 on this MSDS

CIN Govesan - Capital Social € 3.000

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

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

· **Date of previous version:** 17.02.2021

· **Version number of previous version:** 1

· Abbreviations and acronyms:

ADR: Accord relatif au transport international 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 (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**