

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

Product identifier

Trade name: **F202 ZINC PLUS**

Article number: 516

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

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC9a Coatings and paints, thinners, paint removers

Process category PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

Environmental release category ERC2 Formulation into mixture

Article category AC1 Vehicles

Application of the substance / the mixture Surface protection

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

HB BODY S.A.

B' ENTRANCE BLOCK 50 DA9 & MB6 Str

THESSALONIKI INDUSTRIAL AREA

57.022, SINDOS

THESSALONIKI, GREECE

Ph: +30 2310 790 000

Fax: +30 2310 790 033

www.hbbody.com

email: hbbody@hbbody.com

Further information obtainable from:

HB BODY S.A.

B' ENTRANCE BLOCK 50 DA9 & MB6 Str

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Ph: +30 2310 790 000

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email: hbbody@hbbody.com

Emergency telephone number:

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131 126, New Zeland 0800 764 766.

2 Hazard(s) Identification

Classification of the substance or mixture



flame

Flam. Liq. 3

H226 Flammable liquid and vapour.

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health hazard

Carc. 2
Repr. 2
STOT RE 2

H351 Suspected of causing cancer. Route of exposure: Inhalation.
H361d Suspected of damaging the unborn child.
H373 May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.



Skin Irrit. 2
Serious eye damage/irritation – Category 2A

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Label elements

- GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- Hazard pictograms



GHS02



GHS07



GHS08





- Signal word Warning
- Hazard-determining components of labelling:
 - styrene
 - titanium dioxide
- Hazard statements
 - H226 Flammable liquid and vapour.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H351 Suspected of causing cancer. Route of exposure: Inhalation.
 - H361d Suspected of damaging the unborn child.
 - H373 May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.
- Precautionary statements
 - P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 - P241 Use explosion-proof electrical/ventilating/lighting equipment.
 - P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P405 Store locked up.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Other hazards**
- Results of PBT and vPvB assessment
 - PBT: Not applicable.
 - vPvB: Not applicable.

3 Composition and Information on Ingredients

- Chemical characterisation: Mixtures**
- Description: Mixture of hazardous substances listed below with nonhazardous additions.

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Trade name: F202 ZINC PLUS**Dangerous components:**

CAS: 471-34-1	calcium carbonate	15-<20%
EINECS: 207-439-9		
RTECS: EV 9580000		
CAS: 100-42-5	styrene	15-<20%
EINECS: 202-851-5	 Flam. Liq. 3, H226	
Index number: 601-026-00-0	 Carc. 2, H351; Repr. 2, H361d; STOT RE 2, H373	
RTECS: WL 3675000	 Acute Tox. 4, H332; Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319; STOT SE 3, H335	
CAS: 7727-43-7	barium sulphate, natural	1-<5%
EINECS: 231-784-4		
RTECS: CR 0600000		
CAS: 13463-67-7	titanium dioxide	1-<5%
EINECS: 236-675-5	 Carc. 2, H351	
Index number: 022-006-00-2		

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

4 First Aid Measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contact lenses in case of eye contamination and irrigate copiously with clean water for at least 15 minutes trying to hold the eye lids open.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
Most important symptoms and effects, both acute and delayed No further relevant information available.
Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Fire Fighting Measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products
- **Special protective equipment and fire fighting procedures:** Mouth respiratory protective device.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

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· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

· **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.

7 Handling and Storage

· **Handling:**

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

· **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: Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

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

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

471-34-1 calcium carbonate

WES Long-term value: 10 mg/m³
inhalable dust

100-42-5 styrene

WES Short-term value: 426 mg/m³, 100 ppm
Long-term value: 213 mg/m³, 50 ppm

7727-43-7 barium sulphate, natural

WES Long-term value: 10 mg/m³
inhalable dust

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

· **Personal protective equipment:**

· General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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- Protection of hands:



Protective gloves

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.

- For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)
- For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
Rubber gloves
- Eye protection:



Tightly sealed goggles

- Body protection: Protective work clothing

9 Physical and Chemical Properties

- **General Information**

- Appearance:

· Form:	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· <u>pH-value:</u>	Mixture is non-soluble (in water).

- **Change in condition**

· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	145.2 °C
· <u>Flash point:</u>	23 - 60 °C
· <u>Flammability (solid, gas):</u>	Flammable.
· <u>Autoignition temperature:</u>	480 °C
· Decomposition temperature:	Not determined.
· <u>Ignition temperature:</u>	Product is not selfigniting.
· <u>Explosive properties:</u>	Risk of explosion by shock, friction, fire or other sources of ignition.
· <u>Explosion limits:</u>	
· Lower:	1.2 Vol %
· Upper:	8.9 Vol %
· <u>Vapour pressure at 20 °C:</u>	6 hPa
· <u>Density at 20 °C:</u>	1.57 g/cm ³
· Relative density	Not determined.

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· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· Solvent content:	
· Organic solvents:	15.3 %
· VOC (EC)	240.1 g/l
· Solids content (volume):	62.7 %
· Other information	No further relevant information available.

10 Stability and Reactivity

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

11 Toxicological Information

- **Information on toxicological effects**
- Acute toxicity Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Inhalative LC50/4 h 157 mg/l (rat)

471-34-1 calcium carbonate

Oral LD50 6,450 mg/kg (rat)

100-42-5 styrene

Oral LD50 5,000 mg/kg (rat)

Inhalative LC50/4 h 24 mg/l (rat)

13463-67-7 titanium dioxide

Oral LD50 >20,000 mg/kg (rat)

Dermal LD50 >10,000 mg/kg (rabbit)

Inhalative LC50/4 h >6.82 mg/l (rat)

- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye irritation.
- 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 Suspected of causing cancer. Route of exposure: Inhalation.
- Reproductive toxicity Suspected of damaging the unborn child.
- STOT-single exposure Based on available data, the classification criteria are not met.

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- **STOT-repeated exposure**
May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:**
This product is not toxic for the aquatic life. Nevertheless do not dispose the product or any cleaning solvents used along with this product into the sea
- **Persistence and degradability**
This product contains polyesteric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

* 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **UN-Number**
- **ADG, IMDG, IATA** UN1263
- **UN proper shipping name**
- **ADG** UN1263 PAINT
- **IMDG, IATA** PAINT

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Trade name: F202 ZINC PLUS**· Transport hazard class(es)**

· ADG



· Class 3 (F1) Flammable liquids.

· Label 3

· IMDG, IATA



· Class 3 Flammable liquids.

· Label 3

· Packing group

· ADG, IMDG, IATA III

· **Environmental hazards:** Not applicable.· **Special precautions for user** Warning: Flammable liquids.

· Hazard identification number (Kemler code): 30

· EMS Number: F-E, S-E

· Stowage Category A

· **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.**· Transport/Additional information:**

· ADG

· Limited quantities (LQ) 5L

· Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· Transport category 3

· Tunnel restriction code D/E

· IMDG

· Limited quantities (LQ) 5L

· Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":** UN 1263 PAINT, 3, III*** 15 Regulatory information**

· 3Y

· Safety, health and environmental regulations/legislation specific for the substance or mixture

None of the ingredients is listed.

· Australian Inventory of Industrial Chemicals

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

471-34-1 calcium carbonate

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100-42-5 styrene

7727-43-7 barium sulphate, natural

9003-55-8 resin

13463-67-7 titanium dioxide

1345-25-1 iron oxide

· **Standard for the Uniform Scheduling of Medicines and Poisons**

100-42-5 styrene: S5

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Warning· **Hazard-determining components of labelling:**

styrene

titanium dioxide

· **Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer. Route of exposure: Inhalation.

H361d Suspected of damaging the unborn child.

H373 May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**· **Named dangerous substances - ANNEX I** None of the ingredients is listed.· **Seveso category** P5c FLAMMABLE LIQUIDS· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.**16 Other information**

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

· **Relevant phrases**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

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H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

Contact:

HB BODY S.A

Ms Olympia Stamkou

Ph: +30 2310 790 032

fax: +30 2310 790 033

email: stamkou@hbbody.com

* Data compared to the previous version altered.

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Trade name: **F202 ZINC PLUS**

* **Annex: Exposure scenario**

· **Short title of the exposure scenario**

· Sector of Use

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

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Product category PC9a Coatings and paints, thinners, paint removers

· Process category PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

· Article category AC1 Vehicles

· Environmental release category ERC2 Formulation into mixture

· **Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

· **Conditions of use** According to directions for use.

· **Duration and frequency** Frequency of use:

· **Physical parameters**

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

· **Physical state** Fluid

· **Concentration of the substance in the mixture** The substance is main component.

· **Used amount per time or activity** Smaller than 100 g per application.

· **Other operational conditions**

· **Other operational conditions affecting environmental exposure** No special measures required.

· **Other operational conditions affecting worker exposure**

Avoid contact with eyes.

Avoid contact with the skin.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

· **Other operational conditions affecting consumer exposure** No special measures required.

· **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

· **Risk management measures**

· **Worker protection**

· **Organisational protective measures**

Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

· **Technical protective measures**

Provide explosion-proof electrical equipment.

Ensure that suitable extractors are available on processing machines

· **Personal protective measures**

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes.

Pregnant women should strictly avoid inhalation or skin contact.

Tightly sealed goggles

Protective gloves

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

· **Measures for consumer protection**

Ensure adequate labelling.

Observe consumer information and advice on safe use.

Trade name: F202 ZINC PLUS

· Environmental protection measures

· Water

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

· Soil The product is only processed over the concrete collecting basin.

· **Disposal measures** Ensure that waste is collected and contained.

· Disposal procedures

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Waste type Partially emptied and uncleaned packaging

· **Exposure estimation**

· Consumer

This product is to be used by professional technicians only.

Not relevant for this Exposure Scenario.

· **Guidance for downstream users**

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.