

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.05.2016

Version number 1

Revision: 05.05.2016

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

- **1.1 Product identifier**
- **Trade name: NoEM ELECTRO PROTECTOR 4in1 Electromagnetic Field Shield, White Paint, Antielectrostatic, Primer.**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No data available
- **Sector of Use**
SU21 Consumer uses: Private households / general public / consumers
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture** Paint
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Selena FM. S.A.
Strzegomska 2-4, 53-611 Wrocław
tel. +48 71 78 38 290, fax +48 71 78 38 291
e-mail: office@selena.com
www.selenafm.com
- **Further information obtainable from:** msds@selena.com
- **1.4 Emergency telephone number:** European emergency number: 112 (24h)

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.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
Keep out of reach of children.
Incorporates biocidal products.
EUH208 Contains a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [nr WE 247-500-7] and 2-methyl-2H-isothiazol-3-one [nr WE 220-239-6] (3:1). May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** No data available.
- **vPvB:** No data available.

SECTION 3: Composition/information on ingredients

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

- **Dangerous components:**

CAS: 14464-46-1	cristobalite	 STOT RE 2, H373	< 20%
EINECS: 238-455-4			

- **Additional information:**

(Contd. on page 2)

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(Contd. of page 1)

Titanium dioxide dust containing free crystalline silica below 2% and no asbestos [13463-67-7].
Dolomite dust containing free crystalline silica below 2% and no asbestos [-].
Due to form of the product (liquid) no aspiration of above mentioned substances to respiratory tract is possible.

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.
If present, remove contact lenses.
Rinse opened eye for several minutes under running water. Then consult a doctor.

• **After swallowing:** Induce vomiting, if person is conscious. Seek medical help.

• **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:**

Non-flammable product.
Use fire extinguishing methods suitable to surrounding conditions.

• **5.2 Special hazards arising from the substance or mixture** No data available.

• **5.3 Advice for firefighters**

• **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

• **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

• **6.2 Environmental precautions:** Do not allow to enter sewers / surface or ground water.

• **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Clean the affected area carefully; suitable cleaners are:
Warm water and cleansing agent.

• **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.

• **Information about fire - and explosion protection:** No special measures required.

(Contd. on page 3)

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(Contd. of page 2)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store at temperature from + 5 °C to + 25 °C.
Protect from frost.
- **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: 13463-67-7 titanium dioxide

WEL	Long-term value: 10* 4** mg/m ³ *total inhalable **respirable
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· **DNELs**

CAS: 13463-67-7 titanium dioxide

Oral	DNEL	700 mg/kg/day (General population, consumers)
Inhalative	DNEL	10 mg/m ³ (Workers)

· **PNECs**

CAS: 13463-67-7 titanium dioxide

(freshwater)	0.127 mg/l (env)
(sea water)	1 mg/l (env)
(freshwater sediments)	1000 mg/kg (env)
(sea water sediments)	100 mg/kg (env)
(soil)	100 mg/kg (env)

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product / the substance / the preparation.
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.

(Contd. on page 4)

Safety data sheet
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Trade name: NoEM ELECTRO PROTECTOR 4in1 Electromagnetic Field Shield, White Paint, Antielectrostatic, Primer.

(Contd. of page 3)

· **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:**



Safety glasses

· **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

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

· **General Information**

· Appearance:	Liquid
· Form:	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined

· **pH-value:** -

· **Change in condition**

· Melting point/Melting range:	Not determined
· Boiling point/Boiling range:	Not determined

· **Flash point:** Not determined

· **Flammability (solid, gaseous):** Not determined

· **Ignition temperature:** Not determined

· **Decomposition temperature:** Not determined

· **Self-igniting:** Product is not selfigniting

· **Danger of explosion:** Product does not present an explosion hazard

· **Explosion limits:**

· Lower:	Not determined
· Upper:	Not determined

· **Vapour pressure:** Not determined

· **Density:** Not determined

· **Relative density** Not determined

· **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

(Contd. on page 5)

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Trade name: NoEM ELECTRO PROTECTOR 4in1 Electromagnetic Field Shield, White Paint, Antielectrostatic, Primer.

(Contd. of page 4)

· **9.2 Other information** No data 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	>5000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4h	>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.
- **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	61 mg/l (algae)
	1000 mg/l (crustaceans)
LC50	1000 mg/l (fish)

- **12.2 Persistence and degradability** No data.
- **12.3 Bioaccumulative potential** No data available.
- **12.4 Mobility in soil** No data available.
- **Additional ecological information:**
- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

(Contd. on page 6)

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Trade name: NoEM ELECTRO PROTECTOR 4in1 Electromagnetic Field Shield, White Paint, Antielectrostatic, Primer.

(Contd. of page 5)

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No data available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Smaller quantities can be disposed of with household waste.
Dispose of in a safe manner in accordance with local / national regulations.
- **European waste catalogue**
08 01 12 waste paint and varnish other than those mentioned in 08 01 11
15 01 02 plastic packaging
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|--------------------|
| · 14.1 UN-Number | Not applicable. |
| · ADR | Not applicable. |
| · ADN, IMDG, IATA | Not applicable |
| · 14.2 UN proper shipping name | - |
| · ADR, ADN, IMDG, IATA | Not applicable |
| · 14.3 Transport hazard class(es) | Not applicable. |
| · ADR, ADN, IMDG, IATA | |
| · Class | Not applicable |
| · 14.4 Packing group | Not applicable. |
| · ADR, IMDG, IATA | Not applicable |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No. |
| · 14.6 Special precautions for user | No data available. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | No data available. |
| · 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.

(Contd. on page 7)

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(Contd. of page 6)

· **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.

· **Relevant phrases**

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

· **Department issuing SDS:** Product safety department.

· **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)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

GB