## SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH)

### 1. Substance/preparation and company name.

Trade Name Solar Protect

**Typical Applications** Multi-metal anti-corrosion additive for closed cooling circuit.

**Company** Sucesores de Carmelo Pérez Martínez

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**Emergency phone no.** +34 91 562 04 20

## 2. Hazard identification.

Classification of the substance or mixture.

Label elements.

Label according to Regulation (CE)N° 1272/2008 [CLP]

The product is not subject to labeling.

Other hazards.

Unknown.

# 3. Composition/Information on ingredients.

High-boiling-point glycols with corrosion inhibitors.

Chemical nameCAS-NoEC number%Pict.PhrasesPotassium Salt64665-53-8265-002-8<2%</td>GHS06H301; H319Methyl BenzotriazoleH332; H412

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## 4. First aid measures.

**General advice** Remove contaminated clothing.

On contact with eyes Wash affected eyes for at least 15 minutes under running

water with eyelids held open.

On skin contact Wash thoroughly with soap and water.

If inhaled If difficulties occur after mist/aerosol has been inhaled

remove to fresh air and seek medical attention.

On ingestion Rinse mouth and then drink water (two glasses at the

most). Consult doctor if feeling unwell.

**Note to physician** Symptomatic treatment (decontamination, vital functions),

no known specific antidote.

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## 5. Fire fighting measures.

Suitable extinguishing media: Water spray, alcohol resistant foam, dry

extinguishers, carbon dioxide (CO<sub>2</sub>)

**Specific hazards** Evolution of fumes/fog. Vapours heavier than air.

**Special protective equipment** In case of fire, wear a self contained breathing

apparatus.

**Further information** Contaminated extinguishing water must be disposed

according to official regulations.

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# 6. Accidental release measures.

**Personal precautions**Use personal protective clothing.

Do not inhale vapours/aerosol.

**Environmental precautions** Do not discharge into drains, surface waters,

ground water.

Methods for cleaning up/taking up

Large amount: Pump off products.

<u>Residues/spills:</u> Bind the liquid by using a suitable absorbent material and dispose it

according to the regulations

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### 7. Handling and storage.

**Handling** Ensure thorough ventilation of stores and working

areas.

Protection against fire and

explosion

Take precautionary measures against static discharges. If exposed to fire, keep containers cool by spraying

with water.

**Storage** Containers should be stored tightly sealed in dry

place. Since zinc is not compatible with ethylene glycol, storage in galvanized containers is not

recommended.

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## 8. Exposure controls and personal protection.

#### **Hygiene measures:**

Wash hands and forearms after handling.

Do not smoke, eat or drink during manipulations.

#### **General safety measures:**

#### **Respiratory protection:**

Only in case of release of fumes/fog. Well ventilated areas are recommended for manipulation.

Required when vapours/aerosols are generated. Filter A-(P2)

#### Hands

Chemical resistant protective gloves are recommended.

#### **Eves:**

Safety glasses with side-shields.

#### **DNEL/DMEL Values**

Exposition way	Group of persons	Exposition time/Effect	<u>Value</u>
Skin	Workers	Long / Systematic effects	ma/Ka day
Inhalation	Workers	Long / Local effects	mg/Kg day mg/m <sup>3</sup>
Skin	Consumers	Long / Systematic effects	•
Inhalation	Consumers	Long / Local effects	mg/ Kg day mg/m <sup>3</sup>

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#### **PNEC Values:**

<u>Fresh water -Sediment:</u> mg/Kg dry <u>Sea-Sediment</u> --,-- mg/kg dry

Soil: mg/kg dry

Sewage treatment plant: mg/l

### 9. Physical and Chemical properties.

Physical state Liquid Color Green

**Odor** Weak, characteristic

**pH** 8-9 **Boiling point/range** ca.101°C

Solidification temperature ca. 0°C

Vapor pressure at 20°C 0.1 mbar at 20°C

Flash point >100°C Ignition temperature >200°C

**Density** 1.04-1.05 g/cc at 20°C

Solubility in water Unlimited

**Solubility in other solvents**Soluble in polar solvents

# 10. Stability and reactivity.

**Hazardous reactions**No hazardous reactions if stored and handle

as prescribed.

**Substances to avoid** Powerful oxidizing agents and strong acids.

Galvanized and zinc containers.

**Hazardous decomposition products**No hazardous decomposition products if

stored and handle as prescribed.

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### 11. Toxicological data.

**Acute Toxicity:** 

DL50 (Ingestion, Rat): mg/Kg. (IUCLID)

**Specific symptoms with animal studies:** 

**Chronic toxicity:** 

### 12. Ecological data.

#### **Ecological Toxicity**

**Acute Toxicity fishes:** 

**Invertebrates**:

Algae:

Microorganisms:

#### **Sedimentary Organisms**

The inhibition of the active sludge is not expected, when the substance is given in small quantities.

#### **Comments for aquatic toxicity**

The product has not been studied. The results are based on the individual propoerties of the substances.

#### Persistence and degradability

Biodegradation 95%/14 days (OCDE 302 B): biologically easy degradable.

**Additional Information** Do not release into natural waters.

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# 13. Disposal considerations

**Contaminated packaging** Uncontaminated canisters can be re-used.

Cannisters that cannot be cleaned should be disposed of in

the same manner as the contents.

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### **14.** Transport information

Not classified as hazardous under transport regulations. (ADR / RID / ADNR / IMDG/GGVSee ICIAO/IATA)

## 15. Regulatory information

Regulations of the European Union (labeling) / National legislation / Regulations:

Hazard symbol H-phrases:

P-phrases:

# 16. Further information.

#### H statements:

Health hazards:

H301: Toxic if swallowed.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H412: Harmful to aquatic life with long-lasting effects.

#### **Abbreviations and acronyms:**

**PNEC**: Predicted No Effect Concentration.

*Intermittent Release*: Intermittent but only recurring infrequently i.e. less than once per month and for no more than 24 hours.

This safety data sheet is intended to provide information and recommendations as to: 1. how to handle chemical substances and preparations in accordance with the essential requirements of safety precautions and physical, toxicological and ecological data. 2. How to handle, store, use and transport them safety.

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