

**MATERIAL SAFETY DATA SHEET**  
**Innoprotect B580**  
according to REGULATION (EC) No 1907/2006



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

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**1.1. Product identifier**

Product name: Innoprotect B580 ®

**1.2. Relevant identified uses of the mixture and uses advised against**

Product use : Water-dilutable surface cleaner for use according to the user instructions.

Use against which is recommended: This product must not be used for other applications than that which are recommend without seeking advice of the supplier.

Process categories:

- PROC 8
- PROC 10
- PROC 11

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

**Manufacturer/Supplier:** EMERGO Metal Treatment  
Twentepoort Oost 15  
7609 RG Almelo  
The Netherlands

Postbus 323  
9500 AH Stadskanaal  
The Netherlands

Phone.: +31 (0)599 – 696 420

Fax.: +31 (0)599 – 696 425

E-mail: [info@emergometal.com](mailto:info@emergometal.com)

Web: [www.emergometal.com](http://www.emergometal.com)

**1.4. Emergency telephone number**

Phone.: +31 (0)599 – 696 420

**SECTION 2: Hazards identification**

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**2.1. Classification of the mixture**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].  
The product does not support combustion. It therefore needs not to be classified as flammable despite a flash point below 60 °C.

**2.2. Label elements**

**2.3. Other hazards**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.  
The inhalation of dust/mist or aerosols causes irritation of the respiratory tract.

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### SECTION 3: Composition and information on ingredients

#### Hazardous components

| EC no            | Chemical name                                                   | Quantity |
|------------------|-----------------------------------------------------------------|----------|
| CAS no           |                                                                 |          |
| Index No         | Classification according to Regulation (EC) No. 1272/2008 [CLP] |          |
| REACH No         |                                                                 |          |
| 200-578-6        | Ethanol, ethyl alcohol                                          |          |
| 64-17-5          |                                                                 | 1-<5%    |
| 603-002-00-5     | Flam. Liq. 2, Eye Irrit. 2; H225 H319                           |          |
| 01-2119457610-43 |                                                                 |          |
|                  | Sodium laureth sulfate                                          |          |
| 68891-38-3       |                                                                 | 1-<5%    |
|                  | Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412    |          |
| 01-2119488639-16 |                                                                 |          |
|                  |                                                                 |          |

The full text of H- and EUH-phrases: see section 16.

#### Labelling for contents according to Regulation (EC) No 648/2004

< 5 % polycarboxylates, < 5 % anionic surfactants, perfumes (Limonene, Butylphenyl methylpropional, Geraniol), preservation agents (Benzisothiazolinone, Methylisothiazolinone, Methylchloroisothiazolinone).

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation:

Supply fresh air.

##### Skin contact:

Wash affected areas with soap and water and rinse well.  
Take off all contaminated clothing and wash it before reuse.

##### Eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water.

##### Ingestion:

Wash out mouth with water and drink plenty of water.  
Do not induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Suitable: water jet, alcohol-resistant foam, carbon dioxide, extinguishing powder.

##### Unsuitable extinguishing media

Full water jet

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**5.2. Special hazards arising from the substance or mixture**

Hazardous combustion products: carbon dioxide, carbon monoxide.

**5.3. Advice for firefighters**

Co-ordinate fire-fighting measures to the fire surroundings.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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**SECTION 6: Accidental release measures**

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

Wear personal protection equipment (see chapter 8).

Avoid contact with skin, eyes and clothes.

**6.2. Environmental precautions:**

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

**6.3. Methods and materials for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal .

**6.4. Reference to other sections**

Personal protection equipment: see section 8

Disposal: see section 13

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

- 💧 Avoid contact with skin, eyes and clothes.
- 💧 Do not mix with other chemicals.
- 💧 Wear personal protection equipment (see chapter 8).
- 💧 When using do not eat, drink or smoke.
- 💧 Do not breathe gas/fumes/vapour/spray.
- 💧 Use only in well-ventilated areas.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep container tightly closed.

**Advice on storage compatibility**

No special measures are necessary.

**7.3. Specific end uses**

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## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

| CAS No  | Substance | ppm  | mg/m <sup>3</sup> | fibres/ml | Category                  | Origin     |
|---------|-----------|------|-------------------|-----------|---------------------------|------------|
| 64-17-5 | Ethanol   | 1000 | 1920              |           | TWA (8 h)<br>STEL (15min) | WEL<br>WEL |
|         |           | -    | -                 |           |                           |            |

### 8.2. Exposure controls

#### Protective and hygiene measures

Take off contaminated clothing.  
Wash hands before breaks and after work.  
When using do not eat, drink or smoke.

#### Eyeface protection

Eye protection: not required.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.  
Suitable material: NBR (Nitrile rubber).  
Breakthrough time (maximum wearing time) >480 min.  
A survey of suitable brands with detailed information on breakthrough times is available upon request.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

If extensively sprayed or used with high pressure equipment: combination filter A1/P2.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: liquid  
Colour: blue  
Odour: Perfumes, fragrances

pH-Value (at 20°C)

6,0 – 7,0

#### Test method

#### Changes in the physical state

Melting point: ca. 0 °C  
Initial boiling point and boiling range: ca. 100 °C  
Flash point: 54 °C

#### Flammability

Solid: not applicable  
Gas: not applicable

Lower explosion limits: not determined  
Upper explosion limits: not determined

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**Auto-ignition temperature**

|                            |                |
|----------------------------|----------------|
| Solid:                     | not applicable |
| Gas:                       | not applicable |
| Decomposition temperature: | not determined |

**Oxidizing properties**

|                     |                        |
|---------------------|------------------------|
| Not oxidizing.      |                        |
| Vapour pressure:    | not determined         |
| Density (at 25 °C): | 1,02 g/cm <sup>3</sup> |
| Water solubility:   | completely miscible    |

**Solubility in other solvents**

|                                |                |
|--------------------------------|----------------|
| Not determined                 |                |
| Partition coefficient:         | not determined |
| Viscosity / dynamic(at 25 °C): | <10 mPa·s      |
| Vapour density:                | not determined |
| Evaporation rate:              | not determined |

**9.2. Other information**

|                |                |
|----------------|----------------|
| Solid content: | not determined |
|----------------|----------------|

**SECTION 10: Stability and reactivity**

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**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

The product is stable under storage at normal ambient temperatures.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

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**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

| CAS No     | Chemical name          |        |             |         |        |
|------------|------------------------|--------|-------------|---------|--------|
|            | Exposure routes        | Method | Dose        | Species | Source |
| 64-17-5    | Ethanol, ethyl alcohol |        |             |         |        |
|            | Oral                   | LD50   | >2000 mg/kg | Rat     | ATE    |
|            | Dermal                 | LD50   | >2000 mg/kg | Rat     | ATE    |
|            | Inhalative vapour      | LC50   | >20 mg/l    | Rat     | ATE    |
| 68891-38-3 | Sodium laureth sulfate |        |             |         |        |
|            | Oral                   | LD50   | >2000 mg/kg | Rat     |        |
|            | Dermal                 | LD50   | >2000 mg/kg | Rat     |        |
|            | Inhalative aerosol     | LC50   | >5 mg/l     | Rat     |        |

**SECTION 12: Ecological information**

**12.1. Toxicity**

| CAS No     | Chemical name            |        |            |         |                                   |          |
|------------|--------------------------|--------|------------|---------|-----------------------------------|----------|
|            | Aquatic toxicity         | Method | Dose       | [h] [d] | Species                           | Source   |
| 64-17-5    | Ethanol, ethyl alcohol   |        |            |         |                                   |          |
|            | Acute fish toxicity      | LC50   | >1000 mg/l | 96 h    |                                   |          |
|            | Acute algae toxicity     | ErC50  | >100 mg/l  |         |                                   |          |
|            | Acute crustacea toxicity | ErC50  | >1000 mg/l | 48 h    |                                   |          |
| 68891-38-3 | Sodium laureth sulfate   |        |            |         |                                   |          |
|            | Acute fish toxicity      | LC50   | 7,1 mg/l   | 96 h    |                                   | OECD 203 |
|            | Acute algae toxicity     | ErC50  | 27,7 mg/l  | 72 h    |                                   | OECD 201 |
|            | Acute crustacea toxicity | ErC50  | 7,4 mg/l   | 48 h    | Daphnia magna<br>(Big water flea) | OECD 202 |
|            | Fish toxicity            | NOEC   | 1 mg/l     | 45d     |                                   | OECD 203 |
|            | Algae toxicity           | NOEC   | 0,95 mg/l  | 3 d     |                                   | OECD 201 |

**12.2. Persistence and degradability**

The surfactants contained in this product comply with the biodegradability criteria as laid down in regulation 648/2004/EC on detergents.

| CAS No     | Chemical name                                       |       |    |        |
|------------|-----------------------------------------------------|-------|----|--------|
|            | Method                                              | Value | d  | Source |
|            | Evaluation                                          |       |    |        |
| 64-17-5    | Ethanol, ethyl alcohol                              |       |    |        |
|            | OECD 301                                            | >60 % | 28 |        |
|            | Readily biodegradable (according to OECD criteria). |       |    |        |
| 68891-38-3 | Sodium laureth sulfate                              |       |    |        |
|            | OECD 301                                            | >60 % | 28 |        |
|            | Readily biodegradable (according to OECD criteria). |       |    |        |

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**Partition coefficient n-octanol/water**

| CAS No     | Chemical name          | Log Pow   |
|------------|------------------------|-----------|
| 68891-38-3 | Sodium laureth sulfate | 0,95-3,90 |

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**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No information available.

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Advice on disposal**

Dispose of waste according to applicable legislation.  
Delivery to an approved waste disposal company.

**Waste disposal number of waste from residues/unused products**

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

**Waste disposal number of contaminated packaging**

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging.

**Contaminated packaging**

Non-contaminated packages may be recycled.

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**SECTION 14: Transport information**

**14.1 Land transport (ADR/RID)**

UN number: No dangerous good in sense of these transport regulations.

**14.2 Inland waterways transport (ADN)**

UN number: No dangerous good in sense of these transport regulations.

**14.3 Marine transport (IMDG)**

UN number: No dangerous good in sense of these transport regulations.

**14.4 Air transport (ICAO)**

UN number: No dangerous good in sense of these transport regulations.

**14.5 Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

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**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations / legislation specific for the mixture**

**EU regulatory information**

2010/75/EU (VOC): <30%

**Additional information**

Regulation (EC) No. 648/2004 (Detergents regulation)

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**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

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**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 Harmonized 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  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

**Relevant H- and EUH-phrases (Number and full text)**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*