

**MATERIAL SAFETY DATA SHEET**  
**Innosoft B570**  
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: Innosoft B570 ®

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

Product use : Ready-to-use cleaner for stainless steel and other non-ferrous metals, 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 (explanations see section 16):

- PROC 10

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

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

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes serious eye damage.

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## 2.2. Label elements

### Hazardous components which must be listed on the label

Fatty alcohol polyethoxylate

Signal word: Danger

Pictogram: GHS05



### Hazard statements

H318 Causes serious eye damage

### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

P310 Immediately call a POISON CENTER/doctor.

## 2.3. Other hazards

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

## SECTION 3: Composition and information on ingredients

### 3.2 Mixtures

#### Hazardous components

| EC No            | Chemical name   | Quantity   |
|------------------|---|------------|
| CAS No           |   |            |
| Index No         | Classification according to Regulation (EC) No. 1272/2008 [CLP] |            |
| REACH No         |   |            |
| 307-055-2        | sodium alkyl sulfonate  | 5 - < 10 % |
| 97489-15-1       |   |            |
|                  | Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1; H302 H315 H318         |            |
| 01-2119489924-20 |   |            |
|                  | fatty alcohol ethoxylate  | 1 - < 5 %  |
| 68439-46-3       |   |            |
|                  | Eye Dam. 1, Aquatic Chronic 3; H318 H412                        |            |
| 226-218-8        | sulfamic acid, sulphamic acid, sulphamidic acid                 | 1 - < 5 %  |
| 5329-14-6        |   |            |
| 016-026-00-0     | Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H315 H319 H412  |            |
| 01-2119488633-28 |   |            |

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

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

5 % - 15 % anionic surfactants, < 5 % non-ionic surfactants, perfumes (Limonene, Hexyl cinnamal, Butylphenyl methylpropional, Benzyl salicylate), preservation agents (Benzisothiazolinone, Methylisothiazolinone).

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**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**Inhalation:**

No inhalation exposure is to be expected if the product is used as intended.

**Skin contact:**

Wash affected areas with soap and water and rinse well.  
Immediately take off all contaminated clothing.

**Eye contact:**

Rinse opened eyes several minutes under running water and call medical attention.

**Ingestion:**

Wash out mouth with water and drink plenty of water.  
Do not induce vomiting, instantly call medical attention.

**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**

Symptomatic treatment.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable: water jet, alcohol-resistant foam, carbon dioxide, extinguishing powder.  
Not suitable: Heavy jet of water.

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

Hazardous combustion products: carbon dioxide, carbon monoxide.

**5.3. Advice for firefighters**

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**

Avoid contact with eyes, skin and clothes.  
Wear personal protection equipment (see section 8).

**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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**SECTIE 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

- Avoid contact with skin and eyes.
- Do not mix with other products.
- Wear personal protection equipment (see section 8).
- Do not eat, drink and smoke in work 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**

**SECTIE 8: Exposure controls/personal protection**

**8.1. Control parameters**  
**DNEL/DMEL values**

| CAS No     | Substance                | Exposure route | Effect   | Value                  |
|------------|--------------------------|----------------|----------|------------------------|
| 97489-15-1 | sodium alkyl sulfonate   |                |          |                        |
|            | Worker DNEL, long-term   | dermal         | systemic | 5 mg/kg bw/day         |
|            | Worker DNEL, long-term   | inhalation     | systemic | 35 mg/m <sup>3</sup>   |
|            | Worker DNEL, acute       | dermal         | local    | 2,8 mg/cm <sup>2</sup> |
|            | Worker DNEL, long-term   | dermal         | local    | 2,8 mg/cm <sup>2</sup> |
|            | Consumer DNEL, acute     | dermal         | local    | 2,8 mg/cm <sup>2</sup> |
|            | Consumer DNEL, long-term | dermal         | systemic | 3,57 mg/kg bw/day      |
|            | Consumer DNEL, long-term | inhalation     | systemic | 12,4 mg/m <sup>3</sup> |
|            | Consumer DNEL, long-term | oral           | systemic | 7,1 mg/kg bw/day       |
|            | Consumer DNEL, long-term | dermal         | local    | 2,8 mg/cm <sup>2</sup> |

**PNEC values**

| CAS No     | Substance                                       | Environmental compartment | Value      |
|------------|---|---------------------------|------------|
| 97489-15-1 | sodium alkyl sulfonate                          |                           |            |
|            | Freshwater                                      |                           | 0,04 mg/l  |
|            | Marine water                                    |                           | 0,004 mg/l |
|            | Freshwater sediment                             |                           | 9,4 mg/kg  |
|            | Marine sediment                                 |                           | 0,94 mg/kg |
|            | Soil  |                           | 9,4 mg/kg  |
|            | Microorganisms in sewage treatment plants (STP) |                           | 600 mg/l   |
| 68439-46-3 | fatty alcohol ethoxylate                        |                           |            |

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## 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.

### Eye/face protection

Wear eye/face protection.

### 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.

## SECTION 9: Physical and chemical properties

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

Physical state: Liquid.  
Colour: White.  
Odour: Perfumes, fragrances.

pH-Value 2.8 – 3.4

#### Changes in the physical state

Melting point: ca. 0 °C  
Initial boiling point and boiling range: ca. 100 °C  
Flash point: Not applicable

#### Flammability

Solid: Not applicable  
Gas: Not applicable  
Lower explosion limits: Not applicable  
Upper explosion limits: Not applicable

#### 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): 1.17 g/cm<sup>3</sup>  
Water solubility: partially soluble

#### Solubility in other solvents

Not determined  
Partition coefficient: Not determined  
Viscosity/dynamic (at 25°C): <1000 mPas

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Vapour density: Not determined  
Evaporation rate: Not determined

**9.2. Other information**

Solid content: Not determined

**SECTION 10: Stability and reactivity**

**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**

None known.

**10.5. Incompatible materials**

No hazardous incompatibilities known.

**10.6. Hazardous decomposition products**

No hazardous decomposition known.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

| CAS No     | Chemical name                                   | Exposures routes   | Method | Dose        | Species | Source   |
|------------|---|--------------------|--------|-------------|---------|----------|
| 97489-15-1 | Sodium alkyl sulfonate                          | Oral               | LD50   | >2000 mg/kg | Rat     | OECD 401 |
|            |   | Dermal             | LD50   | >2000 mg/kg | Mouse   |          |
|            |   | Inhalative aerosol | LC50   | >5 mg/l     | Rat     | ATE      |
| 68439-46-3 | Fatty alcohol ethoxylate                        | Oral               | LD50   | >2000 mg/kg | Rat     |          |
|            |   | Dermal             | LD50   | >2000 mg/kg | Rabbit  |          |
|            |   | Inhalative aerosol | LC50   | >5 mg/l     | Rat     | ATE      |
| 5329-14-6  | Sulfamic acid, sulphamic acid, sulphamidic acid | Oral               | LD50   | >2000 mg/kg | Rat     | ATE      |
|            |   | Dermal             | LD50   | >2000 mg/kg | Rat     | ATE      |
|            |   | Inhalative aerosol | LC50   | >5 mg/l     | rat     | ATE      |

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**SECTION 12: Ecological information**

**12.1. Toxicity**

| CAS No     | Chemical name                                   |            |            |         |                                      |          |
|------------|---|------------|------------|---------|--------------------------------------|----------|
|            | Aquatic toxicity                                | Method     | Dose       | [h] [d] | Species                              | Source   |
| 97489-15-1 | Sodium alkyl sulfonate                          |            |            |         |                                      |          |
|            | Acute fish toxicity                             | LC50       | 1-10 mg/l  | 96 h    | Brachydanio rerio (zebra-fish)       | OECD 203 |
|            | Acute algae toxicity                            | ErC50      | >61 mg/l   | 72 h    | Scenedesmus subspicatus              | OECS 201 |
|            | Acute crustacea toxicity                        | EC50       | 9,81 mg/l  | 48 h    | Daphnia magna (Big water flea)       | OECD 202 |
| 68439-46-3 | Fatty alcohol ethoxylate                        |            |            |         |                                      |          |
|            | Acute fish toxicity                             | LC50       | >1-10 mg/l | 96 h    | Cyprinus carpio (Common Carp)        | OECD 203 |
|            | Acute algae toxicity                            | ErC50      | >1-10 mg/l | 72 h    | Scenedesmus subspicatus              | OECS 201 |
|            | Acute crustacea toxicity                        | EC50       | >1-10 mg/l | 48 h    | Daphnia magna (Big water flea)       | OECD 202 |
|            | Crustacea toxicity                              | NOEC       | 0,37 mg/l  | 21 h    | Daphnia magna (Big water flea)       |          |
|            | Acute bacteria toxicity                         | (140 mg/l) |            | 0 h     | Activated sludge                     |          |
| 5329-14-6  | Sulfamic acid, sulphamic acid, sulphamidic acid |            |            |         |                                      |          |
|            | Acute fish toxicity                             | LC50       | 70,3 mg/l  | 96 h    | Pimephales promelas (fathead minnow) |          |

**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  |       |    |        |
| 97489-15-1 | Sodium alkyl sulfonate                              |       |    |        |
|            | OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C             | 78%   | 28 |        |
|            | Readily biodegradable (according to OECD criteria). |       |    |        |
|            | OECD 301E/ EEC 92/69/V, C.4-B                       | 89    | 28 |        |
|            | Readily biodegradable (according to OECD criteria). |       |    |        |
|            | OECD 303/ EEC 92/69/V, C10                          | 96.2  | 34 |        |
|            | Readily biodegradable (according to OECD criteria). |       |    |        |
| 68439-46-3 | Fatty alcohol ethoxylate                            |       |    |        |
|            | OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C             | >60%  | 28 |        |
|            | Readily biodegradable (according to OECD criteria). |       |    |        |

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**12.4. Mobility in soil**

The product has not been tested.

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**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.

**SECTION 13: Disposal considerations**

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**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**

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors

Classified as hazardous waste.

**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.

**SECTION 14: Transport information**

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**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

**SECTION 15: Regulatory information**

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

**EU regulatory information**

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

**Additional information**

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

**National regulatory information**

Water contaminating class (D): 2 - water contaminating

**15.2. Chemical safety assessment**

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



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**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)**

H 302 Harmful if swallowed.

H 315 Causes skin irritation.

H 318 Causes serious eye damage.

H 319 Causes serious eye irritation.

H 412 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 safetydata sheet.)*