



EMERGO Metal Treatment  
P.O. Box 323  
9500 AH Stadskanaal – The Netherlands

Twentepoort Oost 15  
7609 RG Almelo – The Netherlands  
T.+31 546 – 543 040  
F.+31 546 – 543 045

IBAN: NL 64 RABO 0130 7503 44  
COC: 0603 2852  
VAT: NL8206.23.994.B01

## MATERIAL SAFETY DATA SHEET

According to REGULATION (EU) No 453/2010, annex I

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

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#### 1.1. Product identifier

Product name: Innogel B450

#### 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 instructions in the Technical Bulletin and the user instructions.

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

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

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

P.O. Box 323  
9500 AH Stadskanaal  
The Netherlands

Phone.: +31 (0)546 – 543 040

Fax.: +31 (0)546 – 543 045

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)546 – 543 040

### SECTION 2: Hazards identification

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#### Description of hazard

This substance is not classified as dangerous according to Directive 67/548/EC and 1999/45/EC

### SECTION 3: Composition / information on ingredients

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Substance	Identification	Classification	Contents
Citric Acid	CAS no.: 5949-29-1 EC no.: 201-069-1	Xi; R36	10 - 30 %
Phosphoric acid	CAS no.: 7664-38-2 EC no.: 231-633-2	C; R34	5 - 15%
Column headings	CAS no. = Chemical Abstracts Service. EC (EINEC or ELINCS number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in: %, %wt/wt, %vol/wt, %vol/vol, mg/m <sup>3</sup> , ppb, ppm, weight%, vol%.		



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HH/HF/HE

T+ = very toxic, T = toxic, C = corrosive, Xn = harmful, Xi = irritating, E = explosive, O = oxidizing, F+ = extremely flammable, F = very flammable, N = environmental hazard.

### SECTION 4: First aid measures

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#### General

If eye contact, flush with water.

#### Skin contact:

Flush with water.

#### Eye contact:

Immediately flush with plenty of water for at least 5 minutes. Hold the eyelids open. Seek medical if irritation persist.

#### Ingestion:

Drink water or milk. Seek medical if irritation persist.

### SECTION 5: Firefighting measures

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Non-flammable. No special attempt required.

### SECTION 6: Accidental release measures

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#### General measures

Use recommended protection

#### Cleaning method

Small amount may be wiped up with a suitable cloth which is washed thoroughly with water after use.

### SECTION 7: Handling and storage

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#### Handling

No special requirements.

#### Storage

Keep product froze free.

### SECTION 8: Exposure controls / personal protection

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#### Respiratory protection

No special requirements

#### Hand protection

In direct contact with product, use gloves. Natural rubber, latex or PVC.

#### Eye protection

Use protective glasses if risk of directly contact with the eye.



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### SECTION 9: Physical and chemical properties

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Physical state:	Gelatinous
Odour:	Insignificant
Colour:	Green
Solubility in water:	100%
Specific gravity:	1,14 g/cm <sup>3</sup>
Boiling point/boiling range:	101 ° C
pH (as supplied):	1,4

### SECTION 10: Stability and reactivity

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#### Conditions to avoid

Bases/alkaline substances/preparations (inorganic)

#### Stability

Stable under normal conditions.

### SECTION 11: Toxicological information

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#### General

The extent of the injury is dependent on the concentration of the product and the duration of the contact with the tissue.

#### Inhalation

Vapours and aerosols may cause irritation in the respiratory system.

#### Skin contact

Repeated an prolonged contact may have irritating effect.

#### Eye contact

Moderately irritating

#### Ingestion

If swallowed the product will have an irritating effect on mucous membranes in the mouth, oesophagus and gastro-intestinal tract.

### SECTION 12: Ecological information

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#### Ecotoxicity

Not regarded as dangerous for the environment.

#### Mobility

Soluble in water.

### SECTION 13: Disposal considerations

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The product is not classified as hazardous waste.

#### Specify the appropriate methods of disposal

Flush with clean water, or dry up with a cloth.



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### SECTION 14: Transport information

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Additional information: Not classified as dangerous goods (according to UN, IMO, ADR/RID and IATA/ICAO).

### SECTION 15: Regulatory information

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R-phrases

S-phrases

R-36 Irritation to eyes

S-1/2 Keep locked up and out of the reach of children.

S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S-45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

EEC-directive

Directive 67/548/EEC, 1999/45/EEC. Directive 2001/58/EC.

### SECTION 16: Other information

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#### List of relevant R-phrases

R36 Irritating to eyes.

R34 Causes burns

#### Additional information

The Material Data Sheet is made on the basis of information given by the producer.

#### Responsible for safety data sheet

EMERGO Metal Treatment