



## SAFETY DATA SHEET

DECAL E 500 ML 1:4

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Trade name:** DECAL E 500 ML 1:4

**Trade code:** 0002

**Product type and use:** Industrial detergent (Coffee machine descaler)

**Company:** B.B.& M.T. Italia – Via Martiri della Libertà 24 – 25043 BRENO (BS)

Tel. Cell.340.4910670 – e-mail bbemtitalia@yahoo.it

**Emergency telephone number of the company and/or of an authorised advisory centre:**

B.B.& M.T. Italia – Via Martiri della Libertà 24 - 25043 BRENO (BS) Tel. Cell.340.4910670

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:**

5% - 15% sulfamic acid

N.67/548/CEE: 016-026-00-0 CAS: 5329-14-6 EINECS: 226-218-8

Xi R36/38 R52/53

< 5% Acido citrico

CAS: 77-92-9 EINECS: 201-069-1

Xi R36

### 3. HAZARDS IDENTIFICATION

No specific hazards are encountered under normal product use.

### 4. FIRST AID MEASURES

**Contact with skin:** Wash with plenty of water and soap.

**Contact with eyes:** Wash immediately with water for at least 10 minutes.

**Swallowing:** Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet. A suspension of activated charcoal in water, or liquid paraffin may be administered.

**Inhalation:** Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

### 5. FIRE-FIGHTING MEASURES

**Recommended extinguishers:** Water, CO<sub>2</sub>, Foam, Chemical powders, according to the materials involved in the fire.

**Extinguishers not to be used:** None in particular.

**Risks arising from combustion:** Avoid inhaling the fumes.

**Protective equipment:** Use protection for the respiratory tract.

### 6. ACCIDENTAL RELEASE MEASURES MEASURES FOR PERSONAL SAFETY

Use gloves and protective clothing.

**Environmental measures:** Limit leakages with earth or sand. If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

**Cleaning methods:** If the product is in a liquid form, stop it from entering the drainage system. Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert

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### 7. HANDLING AND STORAGE

**Handling precautions:** Avoid contact and inhalation of the vapours. *See, too, paragraph 8 below.*

Do not eat or drink while working.

**Incompatible materials:** None in particular.

**Storage conditions:** Instructions as regards storage premises – Adequately ventilated premises.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Precautionary measures:** Give adequate ventilation to the premises where the product is stored and/or handled.

**Respiratory protection:** Not needed for normal use.

**Protection for hands:** Not needed for normal use.

**Eye protection:** Not needed for normal use.

**Protection for skin:** No special precaution must be adopted for normal use.

**Exposure limit(s) (ACGIH):** None.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Odor:** Characteristic

**pH:** ca. 2,0 sol 10 g/L

**Melting point:** n.a.

**Flash point:** not flammable

**Explosive properties:** none

**Solubility in water:** soluble

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** Stable under normal conditions.

**Substances to avoid:** None in particular.

**Hazardous decomposition products:** None.

### 11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation. Set out below is the toxicological information relating to the main substances in the preparation. The product does not contain toxicologically relevant substances.

### 12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

#### LIST OF SUBSTANCES DANGEROUS FOR THE ENVIRONMENT AND CORRESPONDING CLASSIFICATION:

5% - 15% sulfamic acid

**N.67/548/CEE: 016-026-00-0 CAS: 5329-14-6 EINECS: 226-218-8**

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**WKG-Germany:** 1 (according to VwVws-Germany)

Do not allow to enter open bodies of water and the subsoil.

**Austria:** Wasserrechtsgesetz 1959 (BGBl 215/1959) and specific Emissionsverordnung.

**Germany:** Wasserhaushaltsgesetz (BGBl I 1996 S 1696)

**EU:** Directive 76/464/EC

### 13. DISPOSAL CONSIDERATIONS

Recover if possible. In so doing, comply with the local and national regulations currently in force.

**EW – Code:** 161001 (watery liquid waste, contains dangerous substances)

**Waste Code Austria ONORM S2100:** 52102 (inorganic acids and mixture of inorganics acids)

**A:** Abfallwirtschaftsgesetz 2002 (BGBl I 102/202)

**G:** Kreislaufwirtschafts- und Abfallgesetz (BGBl I 1994 S 2705)

**EU:** EEC 259/93

### 14. TRANSPORT INFORMATION

No dangerous good according to international transport regulation

**ADR/RID:** n.a.

**IMDG:** n.a.

**IATA/ICAO:** n.a.

### 15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/CE (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 2001/58/CE (Safety data sheets). Commission Directive 98/24/CE (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/CE (Occupational exposure limit values).

**Special Provisions: Safety data sheet available for professional user on request.**

The preparation should not be considered as dangerous accordingly to Commission Directive 1999/45/CE.

**Where applicable, refer to the following regulatory provisions:** Directive 2003/105/CE ('Activities linked to risks of serious accidents').

**National regulations:** (D)WGK = slightly hazardous to water (classification for small amounts)

**Austria:** Chemikaliengesetz 1996 (BGBl I 102/2002) Chemikalienverordnung 1999 (GGBl II 81/2000)

**Germany:** Chemikaliengesetz (BGBl I 2002 S2090) Chemikalienverordnung (BGBl I 1999 S. 2233)

### 16. OTHER INFORMATION

**TEXT OF R PHRASES REFERRED TO UNDER HEADING 2:**

R36/38 Irritating to eyes and skin.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R36 Irritating to eyes.

### MAIN BIBLIOGRAPHIC SOURCES

ECDIN – Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS – Eight Edition – Van Nostrand

Reinold ACGIH – Threshold Limit Values – 1997 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. **This MSDS cancels and replaces any preceding release.**