

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

### \* 1 Identification of the substance or mixture and of the supplier

#### · Product identifier

This Safety Data Sheet has been prepared in accordance with the New Zealand Hazardous Substances and New Organisms Act 1996 (HSNO) and as amended.

#### · Trade name: **EN 1000 WATER BASED**

#### · Article number: 980

#### · Relevant identified uses of the substance or mixture and uses advised against

#### · Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

#### · Product category PC9b Fillers, putties, plasters, modelling clay

#### · Process category PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

#### · Environmental release category ERC2 Formulation into mixture

#### · Article category AC1 Vehicles

#### · Application of the substance / the mixture

Coating compound/ Surface coating/ paint  
Surface protection

#### · Details of the supplier of the safety data sheet

#### · Manufacturer/Supplier:

EN Chemicals S.A.  
57 009 Kalochori  
Thessaloniki, GREECE  
T: +30 2310 755 428  
F: +30 2310 755 428  
info@enchemicals.com  
www.enchemicals.com

#### · Further information obtainable from:

Wyatt Machine Tools (Rupes) NZ Limited  
Address: 388 Church Street, Penrose, Auckland  
Ph (09) 525 1000; Fax (09) 525 1009

#### · Emergency telephone number: NZ Emergency 0800 992 881 (0800WYATT1)

### \* 2 Hazards identification

#### · Classification of the substance or mixture

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. Not classified as a Dangerous Good according to NZS 5433:2007 Transport of Dangerous Goods on Land, UN, IMDG and IATA.

HSNO classification: This product is considered to be an article and is exempt from classification

Continue on page 2

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

### Trade name: EN 1000 WATER BASED

Acute Tox. 5 H333 May be harmful if inhaled.

Skin Corr. 3 H316 Causes mild skin irritation.

#### · Additional information:

6.1E Substances that are acutely toxic – May be harmful, aspiration hazard

6.3B Substances that are mildly irritating to the skin

#### · Label elements

 · **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

 · **Hazard pictograms** Void

 · **Signal word** Warning

#### · Hazard-determining components of labelling:

2-butoxyethanol

#### · Hazard statements

H333 May be harmful if inhaled.

H316 Causes mild skin irritation.

#### · Precautionary statements

P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

#### · Other hazards

#### · Results of PBT and vPvB assessment

 · **PBT:** Not applicable.

 · **vPvB:** Not applicable.

## 3 Composition/Information on ingredients

#### · Chemical characterisation: Mixtures

 · **Description:** Mixture of hazardous substances

#### · Dangerous components:

CAS: 471-34-1	calcium carbonate	20-<25%
EINECS: 207-439-9		
RTECS: EV 9580000		
CAS: 111-76-2	2-butoxyethanol	<2.5%
EINECS: 203-905-0	 Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	
Index number: 603-014-00-0	Flam. Liq. 4, H227	
RTECS: KJ 8575000		
CAS: 13463-67-7	titanium dioxide	<2.5%
EINECS: 236-675-5	Acute Tox. 5, H333	

Continue on page 3

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

**Trade name: EN 1000 WATER BASED**

---

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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### 4 First aid measures

· **Description of first aid measures**

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

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### \* 5 Fire fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products

· **Speial protective equipment and fire fighting procedures:** No special measures required.

· **Additional information**

HAZ CHEM CODE: N/A

Collect contaminated fire fighting water separately. It must not enter the sewage system.

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### \* 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.

· **Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **Reference to other sections**

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

Continue on page 4

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

**Trade name: EN 1000 WATER BASED**

---

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See Section 13 for disposal information.

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### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

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### \* 8 Exposure controls/personal protection

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

471-34-1 calcium carbonate

WES (New Zealand) Long-term value: 10 mg/m<sup>3</sup>

111-76-2 2-butoxyethanol

WES (New Zealand) Long-term value: 121 mg/m<sup>3</sup>, 25 ppm  
skin

IOELV (EU) Short-term value: 246 mg/m<sup>3</sup>, 50 ppm  
Long-term value: 98 mg/m<sup>3</sup>, 20 ppm  
Skin

- **Regulatory information**  
WES (New Zealand): Workplace Exposure Standards and Biological Exposure Indices  
IOELV (EU): (EU) 2019/1831
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.

Continue on page 5

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

**Trade name: EN 1000 WATER BASED**

---

**· Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**· Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**· Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**· For the permanent contact gloves made of the following materials are suitable:** Fluorocarbon rubber (Viton)

**· For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Rubber gloves

**· Eye protection:** Goggles recommended during refilling

**· Body protection:** Protective work clothing

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**\* 9 Physical and chemical properties**

**· Information on basic physical and chemical properties**

**· General Information**

**· Appearance:**

**Form:** Fluid

**Colour:** According to product specification

**· Odour:** Characteristic

**· Odour threshold:** Not determined.

**· pH-value:** Not determined.

**· Change in condition**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** 100 °C

**· Flash point:** Not applicable.

**· Flammability (solid, gas):** Not applicable.

**· Autoignition temperature:** 110 °C

**· Decomposition temperature:** Not determined.

**· Auto-ignition temperature:** Product is not selfigniting.

Continue on page 6

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

### Trade name: EN 1000 WATER BASED

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· <b>Explosive properties:</b>	Product does not present an explosion hazard. Risk of explosion by shock, friction, fire or other sources of ignition.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	23 hPa
· <b>Density at 20 °C:</b>	1.32 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Fully miscible.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	1.8 %
<b>Water:</b>	35.3 %
<b>VOC (EC)</b>	44.7 g/l
<b>Solids content (volume):</b>	84.5 %
· <b>Other information</b>	No further relevant information available.

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## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

**Trade name: EN 1000 WATER BASED**

---

### 11 Toxicological information

- Information on toxicological effects
- Acute toxicity
- LD/LC50 values relevant for classification:

#### ATE (Acute Toxicity Estimates)

Oral LD50 81,786 mg/kg (rat)

Dermal LD50 22,104 mg/kg (rab)

Inhalative LC50/4 h &gt;248 mg/l

#### 471-34-1 calcium carbonate

Oral LD50 6,450 mg/kg (rat)

#### 111-76-2 2-butoxyethanol

Oral LD50 1,480 mg/kg (rat)

Dermal LD50 400 mg/kg (rab)

Inhalative LC50/4 h 11 mg/l (ATE)

#### 13463-67-7 titanium dioxide

Oral LD50 &gt;20,000 mg/kg (rat)

Dermal LD50 &gt;10,000 mg/kg (rabbit)

Inhalative LC50/4 h &gt;6.82 mg/l (rat)

- Primary irritant effect:
- Skin corrosion/irritation No irritant effect.
- Serious eye damage/irritation No irritating effect.
- Respiratory or skin sensitisation No sensitising effects known.

#### Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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### 12 Ecological information

- Toxicity
- Aquatic toxicity:

This product is not toxic for the aquatic life. Nevertheless do not dispose the product or any cleaning solvents used along with this product into the sea

- Persistence and degradability

This product contains polyesteric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away

Continue on page 8

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

**Trade name: EN 1000 WATER BASED**

---

**· Behaviour in environmental systems:****· Bioaccumulative potential** No further relevant information available.**· Mobility in soil** No further relevant information available.**· Additional ecological information:****· General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**· Results of PBT and vPvB assessment****· PBT:** This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).**· vPvB:** This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).**· Other adverse effects** No further relevant information available.

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**\* 13 Disposal considerations****· Waste treatment methods****· Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.**· Uncleaned packaging:****· Recommendation:** Disposal must be made according to official regulations.**· Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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**\* 14 Transport information****· UN-Number****· ADR, ADN, IMDG, IATA** Void**· UN proper shipping name****· ADR, ADN, IMDG, IATA** Void**· Transport hazard class(es)****· ADR, ADN, IMDG, IATA****· Class** Void**· Packing group****· ADR, IMDG, IATA** Void**· Environmental hazards:****· Marine pollutant:** No**· Special precautions for user** Not applicable.**· Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

Continue on page 9

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

**Trade name: EN 1000 WATER BASED**

---

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**· Transport/Additional information:**

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**· IATA****· Remarks:**

HAZ CHEM CODE : N/A

**· UN "Model Regulation":**Void

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**\* 15 Regulatory information****· Safety, health and environmental regulations/legislation specific for the substance or mixture**

HSNO Controls

Approved handler test certificate Class 3, required when present in quantities greater than 250L (when in containers greater than 5L) or

500L (when in containers up to and including 5L)

Location and transit Depot 100L (closed containers greater than 5L) 250L (closed containers up to and including 5L) 50L (open containers).

Hazardous Atmosphere Zone 100L (closed containers 25L (decanting) 5L (open occasionally) 1L (open containers in continuous use)

Fire extinguishers Two required for 250 L

Emergency response plan 100L (for HSNO 9.1A substance or 1,000L (for all other substances)

Secondary containment 100L (for HSNO 9.1A substance or 1,000L (for all other substances)

Tracking Not Required

Warning signage 100L (for HSNO 9.1A substance or 250L (for all other substances)

None of the ingredients is listed.

**· New Zealand Inventory of Chemicals**

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7732-18-5 water, distilled, conductivity or of similar purity

9003-55-8 resin

471-34-1 calcium carbonate

14807-96-6 Talc ( $Mg_3H_2(SiO_3)_4$ )

12174-11-7 palygorskite

111-76-2 2-butoxyethanol

13463-67-7 titanium dioxide

7631-99-4 Sodium nitrate

5395-50-6 INGREDIENT

14808-60-7 Quartz ( $SiO_2$ )

1336-21-6 ammonia

1309-48-4 magnesium oxide

Continue on page 10

— NZ —

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

**Trade name: EN 1000 WATER BASED**

---

**· HSNO Approval numbers**

471-34-1 calcium carbonate: HSR006678

111-76-2 2-butoxyethanol: HSR001154

**· GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).**· Hazard pictograms** Void**· Signal word** Warning**· Hazard-determining components of labelling:**

2-butoxyethanol

**· Hazard statements**

H333 May be harmful if inhaled.

H316 Causes mild skin irritation.

**· Precautionary statements**

P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

**· Directive 2012/18/EU****· Named dangerous substances - ANNEX I** None of the ingredients is listed.**· National regulations:****· Other regulations, limitations and prohibitive regulations**

HSNO Approval number: Not applicable

Group standard name: Not applicable

HSNO Hazard classification: Refer to section 2

NZ Inventory of chemicals (NZIoC): This product is an article as defined by HSNO regulations, and is exempt from NZIoC listing requirements.

HSNO Controls:

Approved handler test certificate: Not required

Location and transit Depot certification test: Not required

Hazardous atmosphere zone: Not required

Fire extinguishers: Not required

Emergency response plan: Not required

Secondary containment: Not required

Tracking: Not required

Warning signage: Not required

**· Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

**Trade name: EN 1000 WATER BASED**

---

### \*16 Other information

This information is based on our current knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · **Relevant phrases**

H227 Combustible liquid.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H333 May be harmful if inhaled.

· **Department issuing SDS:** Department of Quality Control

#### · **Contact:**

EN Chemicals S.A.

57 009 Kalochori

Thessaloniki, GREECE

T: +30 2310 755 428

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info@enchemicals.com

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

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 4: Acute toxicity - oral – Category 4

Acute Tox. 5: Acute toxicity - inhalation – Category 5

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Skin Corr. 3: Skin corrosion/irritation – Category 3

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Continue on page 12



## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

**Trade name: EN 1000 WATER BASED**

---

---

· \* Data compared to the previous version altered.

— NZ —

Continue on page 13

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

**Trade name: EN 1000 WATER BASED**

---

### \* Annex: Exposure scenario

#### · Short title of the exposure scenario

· **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

· **Product category** PC9b Fillers, putties, plasters, modelling clay

· **Process category** PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

· **Article category** AC1 Vehicles

· **Environmental release category** ERC2 Formulation into mixture

#### · Description of the activities / processes covered in the Exposure Scenario

See section 1 of the annex to the Safety Data Sheet.

· **Conditions of use** According to directions for use.

· **Duration and frequency** Frequency of use:

#### · Physical parameters

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

· **Physical state** Fluid

· **Concentration of the substance in the mixture** The substance is main component.

#### · Other operational conditions

· **Other operational conditions affecting environmental exposure** No special measures required.

· **Other operational conditions affecting consumer exposure** Not required.

· **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

#### · Risk management measures

##### · Worker protection

##### · Organisational protective measures

Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

##### · Technical protective measures

No special measures required.

Ensure that suitable extractors are available on processing machines

##### · Personal protective measures

No special measures required.

Do not inhale gases / fumes / aerosols.

##### · Measures for consumer protection

Observe consumer information and advice on safe use.

Ensure adequate labelling.

##### · Environmental protection measures

· **Air** No special measures required.

##### · Water

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

Continue on page 14

## Safety Data Sheet

in accordance with HSNO

Printing date: 07.08.2020

Version no. 1

Revision date: 07.08.2020

---

### Trade name: EN 1000 WATER BASED

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- **Soil** The product is only processed over the concrete collecting basin.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures**
  - Dispose of product residues with household waste.
  - Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** This product is to be used by professional technicians only.
- **Guidance for downstream users**
  - Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.