

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Nowo Metal Primer WB

**Product no.**

-

**REACH registration number**

Not applicable

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

**Relevant identified uses of the substance or mixture**

Paint for metalsurfaces

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

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

**Company and address**

NOWOCOAT INDUSTRIAL A/S

Staalvej 3

6000 Kolding

tlf: +45 7550 1111

mail@nowocoat.dk

**Contact person**

Annette Søgaard

**E-mail**

mail@nowocoat.dk

**SDS date**

2016-09-15

**SDS Version**

2.0

### 1.4. Emergency telephone number

Use your national or local emergency number

See section 4 "First aid measures"

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Aquatic Chronic 3; H412

See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)**

-

**Signal word**

-

**Hazard statement(s)**

Harmful to aquatic life with long lasting effects. (H412)

<b>Safety statement(s)</b>	General	-
	Prevention	Avoid release to the environment. (P273).
	Response	-
	Storage	-
	Disposal	-

**Identity of the substances primarily responsible for the major health hazards**

-

### 2.3. Other hazards

This product contains an organic solvent. Repeated exposure to organic solvents can result in damage to

the nervous system and inner organs, such as the liver and kidneys.

**Additional labelling**

Contains 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction. (EUH208).

**Additional warnings**

-

**VOC**

-

**SECTION 3: Composition/information on ingredients**

**3.1/3.2. Substances/Mixtures**

NAME:	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )
IDENTIFICATION NOS.:	CAS-no: 14807-96-6 EC-no: 238-877-9
CONTENT:	3-5%
CLP CLASSIFICATION:	NA
NAME:	2-Butoxyethanol
IDENTIFICATION NOS.:	CAS-no: 111-76-2 EC-no: 203-905-0 Index-no: 603-014-00-0
CONTENT:	1-3%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2 H302, H312, H315, H319, H332
NOTE:	S
NAME:	Paraffin waxes and Hydrocarbon waxes
IDENTIFICATION NOS.:	CAS-no: 8002-74-2 EC-no: 232-315-6
CONTENT:	1-3%
CLP CLASSIFICATION:	NA
NAME:	Trizinc bis(orthophosphate)
IDENTIFICATION NOS.:	CAS-no: 7779-90-0 EC-no: 231-944-3 Index-no: 030-011-00-6
CONTENT:	<1%
CLP CLASSIFICATION:	Aquatic Acute 1, Aquatic Chronic 1 H400, H410
NAME:	Zinc oxide
IDENTIFICATION NOS.:	CAS-no: 1314-13-2 EC-no: 215-222-5 Index-no: 030-013-00-7
CONTENT:	<1%
CLP CLASSIFICATION:	Aquatic Acute 1, Aquatic Chronic 1 H400, H410
NAME:	1,2-Benzisothiazol-3(2H)-one
IDENTIFICATION NOS.:	CAS-no: 2634-33-5 EC-no: 220-120-9 Index-no: 613-088-00-6
CONTENT:	<0.05%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1 H302, H315, H317, H318, H400

(\*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.  
S = Organic solvent

**Other informations**

ATEmix(inhale, vapour) > 20  
 ATEmix(dermal) > 2000  
 ATEmix(oral) > 2000  
 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,144 - 0,216  
 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,144 - 0,216  
 N chronic (CAT 3) Sum = Sum(Ci/M(chronic)<sup>i</sup>\*25\*0.1\*10<sup>^</sup>CATi) = 3,9648 - 5,9472  
 N acute (CAT 1) Sum = Sum(Ci/M(acute)<sup>i</sup>\*25) = 0,022656 - 0,033984

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.  
 Contact a doctor, if in doubt about the injured person’s condition or if the symptoms continue. Never give an unconscious person water or similar.

**Inhalation**

Get the injured person into fresh air. Make sure there is always someone with the injured person. Prevent shock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth resuscitation. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

#### **Skin contact**

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

#### **Eye contact**

Remove contact lenses. Flush eyes immediately with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

#### **Ingestion**

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

#### **Burns**

Not applicable

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

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens. This product contains substances that may cause an allergic reaction in people who are already so disposed.

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

No special

#### **Information to medic**

Bring this safety data sheet.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

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

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Some metal oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact.

### **SECTION 6: Accidental release measures**

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

No specific requirements.

#### **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of a leakage to the surroundings, contact the local environmental authorities. Consider putting up waste collecting trays/basins to prevent leakage to the surroundings.

#### **6.3. Methods and material for containment and cleaning up**

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

#### **6.4. Reference to other sections**

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

Smoking, consumption of food or liquid, and storage of tobacco, food or liquids are not allowed in the workrooms. Consider putting up waste collecting trays/basins to prevent leakage to the surroundings. See section on 'Exposure controls/personal protection' for information on personal protection.

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

Always store in containers of the same material as the original. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Storage temperature

No data available.

### 7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

Paraffin waxes and Hydrocarbon waxes (EH40, 2005)

Long-term exposure limit (8-hour TWA reference period): - ppm | 2 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | 6 mg/m<sup>3</sup>

2-Butoxyethanol (EH40, 2005)

Long-term exposure limit (8-hour TWA reference period): 25 ppm | - mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 50 ppm | - mg/m<sup>3</sup>

Comments: Sk BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin. )

Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>) (EH40, 2005)

Long-term exposure limit (8-hour TWA reference period): - ppm | 1 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

#### ▼ DNEL / PNEC

DNEL (2-Butoxyethanol): 98 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-Butoxyethanol): 1091 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (2-Butoxyethanol): 246 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (2-Butoxyethanol): 125 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-Butoxyethanol): 89 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (2-Butoxyethanol): 59 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-Butoxyethanol): 426 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - General population

DNEL (2-Butoxyethanol): 147 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - General population

DNEL (2-Butoxyethanol): 75 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-Butoxyethanol): 89 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - General population

DNEL (2-Butoxyethanol): 6.3 mg/kg bw/day

Exposure: Oral

According to EC-Regulation 1907/2006 (REACH)

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-Butoxyethanol): 26.7 mg/kg bw/day

Exposure: Oral

Duration of Exposure: Short term – Systemic effects - General population

DNEL (Trizinc bis(orthophosphate)): 5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Trizinc bis(orthophosphate)): 83 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Trizinc bis(orthophosphate)): 2.5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Trizinc bis(orthophosphate)): 83 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Trizinc bis(orthophosphate)): 830 µg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Zinc oxide): 5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Zinc oxide): 500 µg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (Zinc oxide): 83 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Zinc oxide): 2.5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Zinc oxide): 83 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Zinc oxide): 830 µg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

PNEC (2-Butoxyethanol): 8.8 mg/L

Exposure: Freshwater

Duration of Exposure: Single

PNEC (2-Butoxyethanol): 880 µg/L

Exposure: Marine water

Duration of Exposure: Single

PNEC (2-Butoxyethanol): 9.1 mg/L

Exposure: Intermittent release

Duration of Exposure: Continuous

PNEC (2-Butoxyethanol): 2.33 mg/kg soil dw

Exposure: Soil

Duration of Exposure: Single

PNEC (Trizinc bis(orthophosphate)): 20.6 µg/L

Exposure: Freshwater

Duration of Exposure: Single

PNEC (Trizinc bis(orthophosphate)): 6.1 µg/L

Exposure: Marine water

Duration of Exposure: Single

PNEC (Trizinc bis(orthophosphate)): 35.6 mg/kg soil dw

Exposure: Soil

Duration of Exposure: Single

According to EC-Regulation 1907/2006 (REACH)

PNEC (Zinc oxide): 20.6 µg/L  
Exposure: Freshwater  
Duration of Exposure: Single

PNEC (Zinc oxide): 6.1 µg/L  
Exposure: Marine water  
Duration of Exposure: Single

PNEC (Zinc oxide): 35.6 mg/kg soil dw  
Exposure: Soil  
Duration of Exposure: Single

## 8.2. Exposure controls

Compliance with the stated exposure limits values should be checked on a regular basis.

### General recommendations

Observe general occupational hygiene.

### Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

### Exposure limits

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

### Appropriate technical measures

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

### Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

No specific requirements.

### Individual protection measures, such as personal protective equipment



### Generally

Use only CE marked protective equipment.

### Respiratory Equipment

NA

### Skin protection

No specific requirements.

### Hand protection

Recommended: Nitrile rubber. See the manufacturer's instructions.

### Eye protection

Use face shield. Use safety glasses with a side shield as an alternative.

## SECTION 9: Physical and chemical properties

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

Form	Liquid
Colour	Oxide red
Odour	No data available.
pH	No data available.
Viscosity	No data available.
Density (g/cm <sup>3</sup> )	1,1-1,3
<b>Phase changes</b>	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
<b>Data on fire and explosion hazards</b>	
Flashpoint (°C)	No data available.
Ignition (°C)	No data available.
Self ignition (°C)	No data available.

Explosion limits (Vol %)	No data available.
<b>Solubility</b>	
Solubility in water	Soluble
n-octanol/water coefficient	No data available.
<b>9.2. Other information</b>	
Solubility in fat (g/L)	No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

### 10.3. Possibility of hazardous reactions

No special

### 10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### ▼ Acute toxicity

Substance	Species	Test	Route of exposure	Result
Zinc oxide	Rat	LD50	Oral	2000 - 5000 mg/kg bw
Zinc oxide	Rat	LD50	Dermal	bw
Zinc oxide	Rat	LC50	Inhalation	2000 mg/kg bw
Trizinc bis(orthophosphate)	Rat	LD50	Oral	1.79 - 5.7 mg/L air
Paraffin waxes and Hydrocarbon...	Rat	LD50	Oral	(4 h)
Paraffin waxes and Hydrocarbon...	Rat	LD50	Dermal	5000 mg/kg bw
2-Butoxyethanol	Mouse	LD50	Oral	5000 mg/kg bw
2-Butoxyethanol	Rabbit	LD50	Dermal	2000 mg/kg bw
2-Butoxyethanol	Rat	LC50	Inhalation	1414 mg/kg bw
				435 - 2000 mg/kg bw
				450 - 900 ppm (4 h)

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/irritation

No data available.

#### Respiratory or skin sensitisation

This product contains substances that may cause an allergic reaction in people who are already so disposed.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

No data available.

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### Long term effects

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Species	Test	Duration	Result
Zinc oxide	Daphnia	EC50	48 h	155 µg/L
Zinc oxide	Fish	LC50	96 h	112 - 8062 µg/L
Trizinc bis(orthophosphate)	Daphnia	EC50	48 h	155 - 2909 µg/L
Trizinc bis(orthophosphate)	Fish	LC50	96 h	112 - 2920 µg/L
2-Butoxyethanol	Daphnia	EC50	48 h	1.55 - 1.8 g/L
2-Butoxyethanol	Fish	LC50	96 h	1.474 g/L
2-Butoxyethanol	Algae	EC50	72 h	911 - 1840 mg/L

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
2-Butoxyethanol	Yes	CO2 Evolution Test	90,4 %

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
2-Butoxyethanol	No	0,81	No data available

### 12.4. Mobility in soil

2-Butoxyethanol: Log Koc= 0,719839, Calculated from LogPow (High mobility potential.).

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

This product contains ecotoxic substances which can have damaging effects on water-organisms. This product contains substances which can cause undesirable long-term effects in the water environment, due to its poor biodegradability.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

#### Waste

EWC code  
08 01 11

#### Specific labelling

-

#### Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

## SECTION 14: Transport information

### 14.1 – 14.4

Not listed as dangerous goods under ADR and IMDG regulations.

#### ADR/RID

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

#### IMDG

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-

#### IATA/ICAO



According to EC-Regulation 1907/2006 (REACH)

UN-no. -  
Proper Shipping Name -  
Class -  
PG\* -

#### 14.5. Environmental hazards

-

#### 14.6. Special precautions for user

-

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No data available

(\*) Packing group

(\*\*) Marine pollutant

### SECTION 15: Regulatory information

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

##### Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

##### Demands for specific education

-

##### Additional information

-

##### Sources

COUNCIL DIRECTIVE 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP). EC regulation 1907/2006 (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H302 - Harmful if swallowed.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

#### The full text of identified uses as mentioned in section 1

-

#### Other symbols mentioned in section 2

-

#### Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

According to EC-Regulation 1907/2006 (REACH)

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

**The safety data sheet is validated by**

Annette

**Date of last essential change**

**(First cipher in SDS version)**

2016-09-15

**Date of last minor change**

**(Last cipher in SDS version)**

2016-09-15

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