

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 23.04.2018

Version number 21

Revision: 23.04.2018

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

- **1.1 Product identifier**
- **Trade name: BESSEMER AMBOS**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Coating compound/ Surface coating/ paint  
Coating material
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Amonn Coatings GmbH  
An der Landesbahn 7  
A-2100 Korneuburg  
Tel.: +43 2262 735 80 - Fax.: +43 2262 735 80-19
- **Distributor:**  
J.F. Amonn SRL/GmbH  
I-39100 Bolzano/Bozen  
Via Altmann 12 Altmannstraße  
Tel.: +39 0471 904-911 - Fax.: +39 0471 910-449
- **Informing department:** E-Mail: [verkauf@amonn.at](mailto:verkauf@amonn.at)
- **1.4 Emergency telephone number:**  
National Poisons Information Service (NPIS)  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111  
In N Ireland: Contact your local GP or pharmacist during normal hours; click here ([www.gpoutofhours.hscni.net/](http://www.gpoutofhours.hscni.net/)) for GP services Out-of-Hours.  
In Republic of Ireland: 01 809 2166

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS09

- **Signal word** Void
- **Hazard statements**  
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P273 Avoid release to the environment.  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**  
EUH208 Contains 2-butanone oxime, Neodecanoic acid, cobalt salt. May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Description:** Mixture of the substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	10-25%
CAS: 27253-30-1 EINECS: 248-372-5	Lithiumneodecanoat Skin Irrit. 2, H315; Aquatic Chronic 3, H412	0.5-1.5%
CAS: 96-29-7 EINECS: 202-496-6 Reg.nr.: 01-2119539477-28	2-butanone oxime Carc. 2, H351; Eye Dam. 1, H318; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317	0.5-1.5%
CAS: 27253-31-2 EINECS: 248-373-0 Reg.nr.: 01-2119970733-31	Neodecanoic acid, cobalt salt Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	<0.5%

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

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Seek immediate medical advice.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

#### Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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

No further relevant information available.

#### 5.3 Advice for firefighters

**Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

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

Not required.

#### 6.2 Environmental precautions:

Do not allow product to reach sewage system or water bodies.

Inform respective authorities in case product reaches water or sewage system.

#### 6.3 Methods and material for containment and cleaning up:

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

Ensure adequate ventilation.

#### 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

**Information about protection against explosions and fires:** No special measures required.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Store in well closed containers in a cool, well ventilated area. Direct sunshine should be avoided.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class** 10
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

#### 7727-43-7 barium sulphate, natural (25-50%)

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*inhalable dust \*\*respirable dust

- **DNELs**

#### 1314-13-2 zinc oxide

Oral	Long-term exposure, systemic effects	0.83 mg/kg bw/day (Ver)
Dermal	Long-term exposure, systemic effects	83 mg/kg bw/day (Arb)
		83 mg/kg bw/day (Ver)
Inhalative	Long-term exposure, systemic effects	5 mg/m <sup>3</sup> (Arb)
		2.5 mg/m <sup>3</sup> (Ver)
	Long-term exposure, local effects	0.5 mg/m <sup>3</sup> (Ver)

#### 96-29-7 2-butanone oxime

Dermal	Long-term exposure, systemic effects	1.3 mg/kg bw/day (Arb)
		0.78 mg/kg bw/day (Ver)
	Long-term exposure, local effects	1.3 mg/kg bw/day (Arb)
		0.78 mg/kg bw/day (Ver)
Inhalative	Long-term exposure, systemic effects	2 mg/m <sup>3</sup> (Ver)
	Long-term exposure, systemic effects; ppm	94 ppm (Arb)
	Long-term exposure, local effects	2 mg/m <sup>3</sup> (Ver)
	Long-term exposure, local effects; ppm	0.94 ppm (Arb)

- **PNECs**

#### 1314-13-2 zinc oxide

PNEC	0.0206 mg/l (freshwater)
	0.0061 mg/l (Marine Water)
	0.1 mg/l (sewage treatment plant microorganisms)
PNEC	35.6 mg/kg (soil)
	117.8 mg/kg (sediment, freshwater)
	56.5 mg/kg (sediment, marine water)

#### 96-29-7 2-butanone oxime

PNEC	0.256 mg/l (freshwater)
	17.7 mg/l (sewage treatment plant microorganisms)

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

Wash hands during breaks and at the end of the work.

Do not inhale gases / fumes / aerosols.

- **Breathing equipment:** Use breathing protection in case of insufficient ventilation.

- **Protection of hands:**

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

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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.

• **Eye protection:** Safety glasses recommended during refilling.

### SECTION 9: Physical and chemical properties

• **9.1 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:	Not determined
Initial boiling point and boiling range:	301 °C

• **Flash point:** >120 °C

• **Inflammability (solid, gaseous)** Not applicable.

• **Ignition temperature:** >300 °C

• **Decomposition temperature:** Not determined.

• **Self-inflammability:** Product is not selfigniting.

• **Explosive properties:** Product is not explosive.

• **Critical values for explosion:**

Lower:	Not determined.
Upper:	Not determined.

• **Vapour pressure:** Not determined.

• **Density at 20 °C** 1,45 - 1,60 g/cm<sup>3</sup> (je .n Farbton)

• **Relative density** Not determined.

• **Vapour density** Not determined.

• **Evaporation rate** Not determined.

• **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

• **Partition coefficient: n-octanol/water:** Not determined.

• **Viscosity:**

dynamic:	Not determined.
kinematic at 20 °C:	160 - 180 s (DIN 4mm)

• **Solvent content:**

Organic solvents: 4,2 %  
VOC (EU) EU limit value for this product (cat. A/i): 500 g/l (2010).  
This product contains max 500 g/l VOC

Solids content: 95,2 %

• **9.2 Other information** No further relevant information available.

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### SECTION 10: Stability and reactivity

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

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **LD/LC50 values that are relevant for classification:**
- |   |          |  |
|---|----------|--|
| <b>96-29-7 2-butanone oxime</b>                 |          |  |
| Oral  | LD50     | 3,700 mg/kg (rat)                            |
| Dermal  | LD50     | >1,000 mg/kg (rab) (OECD-Prüfrichtlinie 402) |
| Inhalative                                      | LC50/4 h | 20 mg/l (rat)                                |
| <b>27253-31-2 Neodecanoic acid, cobalt salt</b> |          |  |
| Oral  | LD50     | 500 mg/kg (ATE)                              |
- **Primary irritant effect:**
  - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system.  
Danger to drinking water if even small quantities leak into soil.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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· **European waste catalogue**

08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA**

UN3082

· **14.2 UN proper shipping name**

· **ADR**

3082 ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

· **IMDG**

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (zinc oxide, Solvent  
naphtha (petroleum), light arom.), MARINE  
POLLUTANT

· **IATA**

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

· **14.3 Transport hazard class(es)**

· **ADR**



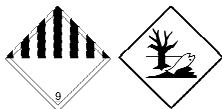
· **Class**

9 (M6) Miscellaneous dangerous substances and  
articles.

· **Label**

9

· **IMDG, IATA**



· **Class**

9 Miscellaneous dangerous substances and  
articles.

· **Label**

9

· **14.4 Packing group**

· **ADR, IMDG, IATA**

III

· **14.5 Environmental hazards:**

Product contains environmentally hazardous  
substances: zinc oxide

· **Marine pollutant:**

Yes

· **Special marking (ADR):**

Symbol (fish and tree)

· **Special marking (IATA):**

Symbol (fish and tree)

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances  
and articles.

· **Kemler Number:**

90

· **EMS Number:**

F-A, S-F

· **Stowage Category**

A

· **14.7 Transport in bulk according to Annex II  
of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Excepted quantities (EQ):**

E1

· **Limited quantities (LQ)**

5L

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· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>IMDG</b>	5L
· <b>Limited quantities (LQ)</b>	Code: E1
· <b>Excepted quantities (EQ)</b>	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE), 9, III

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
I	0.6
III	0.1
NK	3.6

- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
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.  
H332 Harmful if inhaled.  
H351 Suspected of causing cancer.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.
- **Department issuing data specification sheet:** Environment protection department.
- **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 Harmonised 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 (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

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Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Skin Sens. 1: Skin sensitisation – Category 1  
Carc. 2: Carcinogenicity – Category 2  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3  
· \* **Data compared to the previous version altered.**

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