



**SAFETY DATA SHEET**  
**ARDEX PREMIUM AF 620**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name ARDEX PREMIUM AF 620  
Product No. 4877

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

Identified uses Adhesive.

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

Supplier ARDEX Baustoff GmbH  
Hürmer Str. 40  
A-3382 Loosdorf  
Tel. +43/2754/7021-0  
Fax: +43/2754/2490  
E-Mail: produktion@ardex.at  
Contact Person Herr Ing. Martin Schallhas (Produktion)

**1.4. Emergency telephone number**

+43-(0)1-4064343 (Vergiftungsinformationszentrale Österr.)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

Classification (EC 1272/2008)  
Physical and Chemical Hazards Not classified.  
Human health Not classified.  
Environment Aquatic Chronic 3 - H412  
Classification (1999/45/EEC) R52/53.  
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**2.2. Label elements**

Label In Accordance With (EC) No. 1272/2008  
No pictogram required.

**Hazard Statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

P102 Keep out of reach of children.  
P501 Dispose of contents/container in accordance with local regulations.  
Dispose of contents/container in accordance with regional regulations.  
Dispose of contents/container in accordance with national regulations.  
Dispose of contents/container in accordance with international regulations.

**Supplementary Precautionary Statements**

P273 Avoid release to the environment.

**Supplemental label information**

EUH 208: Contains: Benzisothiazolinone. May produce an allergic reaction.

**2.3. Other hazards**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

sodium salt of resin acids		0,1 - <1,0 %
CAS-No.: 61790-51-0	EC No.: 263-144-5	
Classification (EC 1272/2008) Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R36. N;R51/53.	
ZINC OXIDE		0.1 - < 1 %
CAS-No.: 1314-13-2	EC No.: 215-222-5	
Classification (EC 1272/2008) Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) N;R50/53	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Ingredient notes

Dangerous components: void

Composition Comments

The data shown are in accordance with the latest EC Directives.

#### SECTION 4: FIRST AID MEASURES

##### **4.1. Description of first aid measures**

General information

No recommendation given.

Inhalation

Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and provide fresh air. Contact physician if larger quantity has been consumed.

Skin contact

Rinse with water.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids.

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

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

No specific first aid measures noted.

#### SECTION 5: FIREFIGHTING MEASURES

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

Extinguishing media

Water spray, dry powder or carbon dioxide.

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

Hazardous combustion products

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

Unusual Fire & Explosion Hazards

N/A.

Specific hazards

Not known.

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

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## Special Fire Fighting Procedures

Use supplied air respirator if product is involved in a fire.

Protective equipment for fire-fighters

Use air-supplied respirator during fire fighting.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

In case of spills, beware of slippery floors and surfaces. For personal protection, see section 8.

### 6.2. Environmental precautions

Avoid discharge to the aquatic environment. Collect and dispose of spillage as indicated in section 13.

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

ABSORB. Collect spillage with shovel, broom or the like and reuse, if possible. Dispose of large amounts of spillage/waste according to agreement with local authorities.

### 6.4. Reference to other sections

For personal protection, see section 8. Collect and dispose of spillage as indicated in section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

No specific usage precautions noted. Observe good chemical hygiene practices.

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

Keep in original container. Store above freezing.

Storage Class

Unspecified storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ZINC OXIDE	WEL		5 mg/m <sup>3</sup>		10 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

Protective equipment



Engineering measures

Not relevant

Respiratory equipment

Respiratory protection not required.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. Nitrile gloves are recommended.

Eye protection

Not relevant

Hygiene measures

Wash hands after handling. Use appropriate skin cream to prevent drying of skin.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance	Paste
Colour	White.
Odour	Characteristic.
Solubility	Miscible with water
Initial boiling point and boiling range (°C)	100° C
Melting point (°C)	Not applicable.
Relative density	1, 09 g/m <sup>3</sup> 20°C, g/cm <sup>3</sup>
Bulk Density	Not applicable.
Vapour density (air=1)	Not relevant
Vapour pressure	20 hPa 20°C
Evaporation rate	Not available.
Evaporation Factor	Not available.
pH-Value, Conc. Solution	9, 4
Viscosity	45000 mPas
Solubility Value (G/100G H <sub>2</sub> O@20°C)	Not available.
Decomposition temperature (°C)	Not available.
Odour Threshold, Lower	Not relevant
Odour Threshold, Upper	Not relevant
Flash point (°C)	Not applicable.
Auto Ignition Temperature (°C)	Not applicable.
Flammability Limit - Lower(%)	Not applicable.
Flammability Limit - Upper(%)	Not applicable.
Explosive properties	Not applicable.
Other Flammability	Not applicable.
Oxidising properties	Not applicable.

**9.2. Other information**

Particle Size (Micron)	Not relevant
Volatile By Vol. (%)	0
	GISCODE D 1

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

No particular stability concerns.

**10.3. Possibility of hazardous reactions**

Not known.

**10.4. Conditions to avoid**

Avoid frost.

**10.5. Incompatible materials**

Materials To Avoid

No incompatible groups noted.

**10.6. Hazardous decomposition products**

Not known.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

Acute toxicity:

Acute Toxicity (Oral LD50)

Not available.

Acute Toxicity (Dermal LD50)

Not available.

Acute Toxicity (Inhalation LC50)

Not available.

Skin Corrosion/Irritation:

Not irritating.

Respiratory or skin sensitisation:

Respiratory sensitisation

Not applicable.

Skin sensitisation

Not applicable.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Not applicable.

Carcinogenicity:

This substance has no evidence of carcinogenic properties.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Not applicable.

Reproductive Toxicity - Development

Not applicable.

Specific target organ toxicity - single exposure:

STOT - Single exposure

Not applicable.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

Not applicable.

General information

No specific health warnings noted.

Inhalation

No specific health warnings noted.

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## Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

## Skin contact

Not a skin sensitiser.

## Eye contact

Irritation, burning, lachrymation, blurred vision after liquid splash.

### Toxicological information on ingredients.

#### ZINC OXIDE (CAS: 1314-13-2)

Toxic Conc. - LC 50

> 5.7 mg/l/4h (inh-rat)

#### Acute toxicity:

Acute Toxicity (Oral LD50)

> 15000 mg/kg Rat

#### sodium salt of resin acids (CAS: 61790-51-0)

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

### **12.1. Toxicity**

#### Acute Fish Toxicity

Not considered toxic to fish.

#### Acute Toxicity - Aquatic Invertebrates

Not available.

#### Acute Toxicity - Aquatic Plants

Not available.

#### Acute Toxicity - Microorganisms

Microbial toxicity is unlikely to occur.

#### Acute Toxicity - Terrestrial

Not applicable.

### Ecological information on ingredients.

#### ZINC OXIDE (CAS: 1314-13-2)

#### Acute Toxicity - Fish

LC50 96 hours 0, 14 mg/l Onchorhynchus mykiss (Rainbow trout)

EC 50, 48 Hrs, Daphnia, mg/l

0.17 mg/l

#### Acute Toxicity - Aquatic Plants

IC50 72 hours 0.14 mg/l Selenastrum capricornutum

### **12.2. Persistence and degradability**

#### Degradability

The product is potentially degradable.

#### Phototransformation

Not available.

#### Stability (Hydrolysis)

Not applicable.

#### Biodegradation

Not available.

### **12.3. Bioaccumulative potential**

#### Bioaccumulative potential

The product is not bioaccumulating.

### **12.4. Mobility in soil**

#### Mobility:

Not considered mobile.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects**

Not applicable.

**SECTION 13: DISPOSAL CONSIDERATIONS**

General information

The packaging must be empty (drop-free, when inverted). The packaging should be collected for reuse. Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

Waste Class

08 04 10: adhesive and sealant waste with exception of 08 04 09

**SECTION 14: TRANSPORT INFORMATION**

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Transport Labels

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

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 with amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

## ARDEX PREMIUM AF 620

### Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued By Herr Ing. Martin Schalhas (Produktion)  
Revision Date 01/06/2015  
Revision 2  
Supersedes date 26/05/2014

### Risk Phrases In Full

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R36 Irritating to eyes.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Hazard Statements In Full

H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H410 Very toxic to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.