

**BONDAN AN22**

Revision date: 11.02.2021  
Version: 1.002



**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name BONDAN AN22

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

General use Adhesive and sealant.

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

Drei Bond GmbH · Carl-Zeiss-Ring 13 · 85737 Ismaning  
t +49 (0)89 96 24 27-0 · f +49 (0)89 96 24 27-19  
Department responsible for information: [info@bondan.de](mailto:info@bondan.de) · t +49 89 962427-0

**1.4 Emergency telephone number**

Drei Bond GmbH	Tel. +49 (0)89 96 24 27-0
Carl-Zeiss-Ring 13	During office hours
85737 Ismaning	Mo – Do 9:00 am – 05:00 pm
	Fr 8:00 am – 3:00 pm

**2 Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to EC regulation 1272/2008 (CLP)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified



## 2.2 Label elements

### **Labelling CLP:**

#### Hazard Statements

Not applicable

#### Precautionary statements

Not applicable

## 2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. No risks worthy of mention. Please observe the information on the safety data sheet at all times.

## **3 Composition/information on ingredients**

### Chemical characterization

The components are not hazardous or are below required disclosure limits.

### Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

## **4 First aid measures**

### 4.1 Description of first aid measures

After inhalation	Provide fresh air. In case of respiratory tract irritation, consult a physician.
After swallowing	Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps. Call a doctor.
After skin contact	After contact with skin, wash immediately with plenty of water. In case of skin irritation, seek medical treatment.



After eye contact Rinsed immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

**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 special recommendations. Treat symptomatically.

**5 Fire-fighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media Carbon dioxide (CO<sub>2</sub>), dry extinguishing powder, alcohol resistant foam, atomized water.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

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

Can be released in case of fire: Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>) and unidentified organic compounds. In case of fire irritating, toxic and harmful smoke gases may form.

**5.3 Advice for firefighters**

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Coordinate fire-fighting measures to the fire surroundings.



## 6 Accidental release measures

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

Avoid contact with skin, eyes and clothes. Wear personal protection equipment. (refer to chapter 8)

Special danger of slipping by leaking/spilling product.

### 6.2 Environmental precautions

Do not empty into drains. Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## 7 Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling	Wear suitable protective clothing. (see section 8)
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Advice on protection against fire and explosion	Usual measures for fire prevention. The product is not combustible.
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Further information on handling	Avoid contact with skin, eyes and clothes. General protection and hygiene measures: See section 8.
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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels      Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage      Do not store together with: Explosives; oxidizing solids; oxidizing liquids; radioactive substances; infectious substances.

Further information on storage conditions      Keep the container dry and tightly closed to prevent contamination and moisture absorption.  
Recommended storage temperature: 20°C  
Protect against: Light; UV-radiation/sunlight; heat; cold; humidity

7.3 Specific end use(s)

Adhesive, sealant.

**8 Exposure controls/personal protection**

8.1 Control parameters

Exposure limits (EH40)

CAS No.	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
84-66-2	Diethyl phthalate	-	5		TWA (8 h)	WEL
		-	10		STEL (15 min)	WEL

Additional advice on limit values

To date, no national critical limit values exist.

8.2 Exposure controls

Appropriate engineering controls      If handled uncovered, arrangements with local exhaust ventilation should be used if possible.



Eye/face protection	Suitable eye protection: Tightly sealed safety glasses (DIN EN 166).
Hand protection	<p>In case of prolonged or frequently repeated skin contact: Wear suitable gloves. Pull-over gloves of rubber (DIN EN 374).</p> <p>Suitable material: FKM (fluororubber), (0,4 mm). Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.</p> <p>For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.</p>
Skin protection	Protective clothing. Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.
Protective and hygiene measures	Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.
Respiratory protection	<p>With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at: aerosol or mist generation.</p> <p>Suitable respiratory protective equipment: Typ: Combination filtering device (EN 14387) - Type: AP-2/P-3 The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).</p>
Environmental exposure controls	This material and its container must be disposed of in a safe way.



## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	violet
Odour	characteristic
pH-Value	not determined
Changes in the physical state	
Melting point	not determined
Initial boiling point and range	not determined
Sublimation point	not determined
Softening point	not determined
Pour point	not determined
Flash point	not determined
Sustaining combustion	not sustaining combustion
Explosive properties	none
Lower explosion limits	not determined
Upper explosion limits	not determined
Ignition temperature	not determined
Auto-ignition temperature	
Gas	not determined
Decomposition temperature	not determined
Oxidizing properties	none
Vapour pressure	not determined
Density	1.1 g/cm <sup>3</sup>
Water solubility	not miscible
Solubility in other solvents	not determined
Partition coefficient	not determined
Viscosity @ 25 °C	800 – 1200 mPa·s (Brookfield, sp. 3, 30 rpm); thixotropic
Flow time	not determined
Vapour density	not determined
Evaporation rate	not determined
Solvent separation test	not determined
Solvent content	not determined

### 9.2 Other information

Solid content	not determined
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## **10 Stability and reactivity**

### **10.1 Reactivity**

Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

### **10.2 Chemical stability**

Stable under normal storage and handling conditions.  
Point of decomposition: > 200 °C

### **10.3 Possibility of hazardous reactions**

No information available.

### **10.4 Conditions to avoid**

Keep away from heat. May cause decomposition by long-term light influence.

### **10.5 Incompatible materials**

Materials to avoid: Substances and mixtures which, in contact with water, emit flammable gases; alkali metals; peroxides; strong reducing agents; oxidising agent

### **10.6 Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>).

## **11 Toxicological information**

### **11.1 Information on toxicological effects**

#### **Toxicokinetics, metabolism and distribution**

No data available





### **Acute toxicity**

Based on available data, the classification criteria are not met.  
No data available

### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.

### **Sensitising effects**

Based on available data, the classification criteria are not met.

### **Carcinogenic/mutagenic/toxic effects for reproduction**

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.

### **Specific effects in experiment on an animal**

There are no data available on the preparation/mixture itself.

## **12 Ecological information**

### **12.1 Toxicity**

The product has not been tested.



## 12.2. Persistence and degradability

The product has not been tested.

## 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6 Other adverse effects

No data available.

### Further information

Do not allow to enter into surface water or drains.

## **13 Disposal considerations**

### 13.1 Waste treatment methods

#### Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.



Control report for waste code/ waste marking according to EAKV:

**Waste disposal number of waste from residues/unused products**

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

**Waste disposal number of used product**

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

**Waste disposal number of contaminated packaging**

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

**14 Transport information**

14.1 UN number

ADR/RID, ADN, IMDG, ICAO-TI/IATA-DGR:

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, ICAO-TI/IATA-DGR:

No dangerous good in sense of these transport regulations.



14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, ICAO-TI/IATA-DGR:

No dangerous good in sense of these transport regulations.

14.4 Packing group

ADR/RID, ADN, IMDG, ICAO-TI/IATA-DGR:

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6 Special precautions for user

refer to sections 6 - 8

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

**15 Regulatory information**

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

EU regulatory information

2010/75/EU (VOC): < 1 % (calculated)

2004/42/EC (VOC): < 15 g/l (calculated)

Information according to  
2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)



Additional information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].  
REACH 1907/2006 Appendix XVII, No (mixture): not relevant

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

**16 Other information**

Revision date: 11.02.2021

Supersedes date: 10.07.2020

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

CAS Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect level

NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic



RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern

TRGS Technische Regeln fuerGefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe

WGK: Wassergefaehrungsklasse

### **Further Information**

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

### **Department issuing data sheet:**

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

*(The data of dangerous ingredients were taken from the last valid safety data sheet of the respective pre-supplier.)*