

BONDAN FL20

Revision date: 01.03.2021
Version: 1.002



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

1.1 Product identifier

Trade name BONDAN FL20

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

General use Adhesive, 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 · 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

Additional information

EUH208 Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine.
May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards

None under normal conditions. This substance is not classified as PBT or vPvB according to current EU criteria.

With exposure to moisture, product will release methanol.
Information about methanol: Highly flammable liquid and vapour. Toxic if swallowed, in contact with skin or if inhaled. Causes damage to organs.

3 Composition/information on ingredients

3.2 Mixtures

Mixture of the substances listed below with non-hazardous additions.

Ingredient	Designation	Content	Classification
CAS number: 28553-12-0 EC number: 249-079-5 REACH registration number: 01-2119430798-28-XXXX	diisononyl phthalate (substance with a workplace exposure limit)	< 12,5 %	Not Classified

Does not contain SVHC-substances.



4 First aid measures

4.1 Description of first aid measures

Inhalation	Supply fresh air, consult doctor in case of complaints.
Ingestion	Call a doctor immediately.
Skin contact	Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.
Eye contact	Rinse opened eye for several minutes under running water. Then consult doctor.

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.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray, alcohol-resistant foam, fire-extinguishing powder, carbon dioxide
Unsuitable extinguishing media	Water jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.



5.3 Advice for firefighters

Special protective equipment for firefighters

Wear self-contained respiratory protective device.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Pick up mechanically.

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 disposal information.

7 Handling and storage

7.1 Precautions for safe handling

Use only in well ventilated areas.

Information about protection against explosions and fires

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles

Prevent any seepage into the ground.



Information about storage in one common storage facility

Store away from foodstuffs.

Further information about storage conditions

Protect from frost.
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.
Store in dry conditions.

Storage class (according to German VCI concept)

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7.3 Specific end use(s)

No further relevant information available.

8 Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No.	Designation	Type	Limit value
28553-12-0	Diisononyl phthalate	Great Britain: WEL-TWA	5 mg/m ³
		Ireland: 8 hours	5 mg/m ³
67-56-1	Methanol	Europe: IOELV: TWA	260 mg/m ³ ; 200 ppm (may be absorbed through the skin)
		Great Britain: WEL-STEL	333 mg/m ³ ; 250 ppm (may be absorbed through the skin)
		Great Britain: WEL-TWA	266 mg/m ³ ; 200 ppm (may be absorbed through the skin)
		Ireland: 8 hours	260 mg/m ³ ; 200 ppm (may be absorbed through the skin)

Additional information

The homogenous mixing of this product is safeguarded by continual physical testing. Raw materials which formerly had dust-like properties are completely incorporated into the liquid / paste-like mass. Subsequently, possible TLVs for solid substances are not given, as there is no more danger of inhaling these substances (when dealing with this mixture)!

8.2 Exposure controls

Protection equipment



Appropriate engineering controls	Normal (mechanical) room ventilation should be adequate for small volumes. For higher volume activities, or if needed for worker comfort, local mechanical exhaust should be provided.
Eye/face protection	Use approved safety goggles or face shield. Personal eye protection should conform to EN 166.
Hand protection	Wear protective gloves according to EN 374. Glove material: Nitrile rubber (0.12 mm), penetration time <10 min Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Other skin and body protection	Wear suitable protective clothing.
General protection and hygiene measures	The usual precautionary measures should be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of the work. Use of good industrial hygiene practices is required.
Respiratory protection	Typically, respiratory protection equipment is not required. Respiratory protection equipment must be worn whenever the WEL levels have been exceeded.



9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	pasty
Colour	black
Odour	characteristic
Odour threshold	not available
pH	not relevant
Melting point	not available
Initial boiling point and range	not applicable
Flash point	not applicable
Upper/lower flammability or explosive limits	LEL (Lower Explosion Limit): 0.40 Vol-% UEL (Upper Explosive Limit): 2.90 Vol-%
Vapour pressure	15 hPa at 20 °C
Vapour density	not available
Density at 20 °C	1.61 g/cm ³
Water solubility	insoluble
Partition coefficient n-octanol/water	not available
Auto-ignition temperature	approx. 420 °C
Decomposition temperature	not available
Viscosity	pasty
Solvent content	
VOC (EU)	0.2 g/l
VOC (EU)	0.01 %
VOC (CH)	0.01 %

10 Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Stable under recommended storage conditions. No decomposition if used according to specifications.



10.3 Possibility of hazardous reactions

Reacts with acids and with strong oxidizing agents.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

In case of fire, the following substances may occur:

Nitrogen oxides

Contact with water (or air humidity) liberates minor quantities of: Methanol

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Skin corrosion/irritation

Prolonged or repeated contact with the skin may cause skin irritation

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.

Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

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.

12 Ecological information

12.1 Toxicity

Toxicity

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

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

General notes

Do not allow product to reach ground water, water course or sewage system.



12.5 Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6 Other adverse effects

No further relevant information available.

13 Disposal considerations

General information

Waste disposal should be in accordance with existing Community, National and local regulations Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied. These EU waste key numbers are recommendations for waste accruing through the use of adhesives and sealants.

Product

Waste key number

08 04 10 = waste adhesives and sealants other than those mentioned in 08 04 09

Recommendation

Do not empty into drains, dispose of this material at hazardous or special waste collection point.

Packaging

Waste key numbers

Contaminated packaging: 15 01 10* packaging containing residues of or contaminated by dangerous substances.

Clean waste packaging:

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

15 01 04 metallic packaging

Recommendation

Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.

Non-contaminated packages may be recycled. Do not remove label until container is thoroughly cleaned.



14 Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR not applicable

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR not applicable

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant: No

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

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

not applicable

15 Regulatory information

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

National regulations

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).



EU legislation Regulation (EC)

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 (as amended).

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 52a

Guidance

Workplace Exposure Limits EH40.

CHIP for everyone HSG228.

Safety Data Sheets for Substances and Preparations.

Approved Classification and Labelling Guide (Sixth edition) L131.

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out.

16 Other information

Revision date: 01.03.2021

Supersedes date: 17.03.2020

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

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)



VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

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 on the hazardous ingredients were taken from the most recent safety data sheet from the supplier.)