

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Dencrete JF FLEX

Revision Date: 14.07.2025
Date of last issue: -

Version 1.0

Print Date 14.07.2025

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product identifier
Trade name : **Dencrete JF FLEX**

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

Use : Polyol for production of polyurethanes

Details of the supplier of the safety data sheet:

Dencoat International ApS
E-mail: info@dencoat.com
Website: www.dencoat.com
+45 88 44 22 27
Telephone
E-mail address of person responsible for the SDS : technical@dencoat.com
In case of emergency call +45 88 44 22 27

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification (1272/2008/CE):

No classification in accordance with the Directive (EC) No. 1272/2008.

Classification (2006/121/EC, 1999/45/EC):

No classification according to EC Directives 2006/121/EC or 1999/45/EC.

Label elements

Labelling (1272/2008/CE):

No labeling necessary according to the Directive (EC) No. 1272/2008.

Labelling (2006/121/EC, 1999/45/EC):

No labelling is required for this material by the Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4), in accordance with EC Directives.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Type of product : Mixture

Branched polyalcohol with ester and ether groups.

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4. FIRST AID MEASURES

Description of first aid measures

General advice : Remove contaminated clothing.

If inhaled : If there is difficulty in breathing, medical attention should be obtained.

In case of skin contact : In case of skin contact wash affected areas thoroughly with soap and plenty of water. Consult a doctor in the event of a skin reaction.

In case of eye contact : Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.

If swallowed : DO NOT induce the patient to vomit, medical advice is required.

5. Fire-fighting measures

Suitable extinguishing media: Carbon dioxide (CO₂), Foam, extinguishing powder, in cases of larger fires, water spray should be used.

Unsuitable extinguishing media: High volume water jet

Special hazards arising from the substance or mixture:

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

Advice for fire-fighters:

Firemen must wear self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Put on protective equipment (see section 8). Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

Environment related measures: Do not flush into surface water or sanitary sewer system.

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Methods and material for containment and cleaning up: Take up with absorbent for chemicals or, if necessary with dry sand and store in closed containers.

Reference to other sections: For further disposal measures see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.

Precautions should generally be taken against electrostatic charges according to the equipment used and the way the product is handled and packaged.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately. Change contaminated or soaked clothing.

Conditions for safe storage, including any incompatibilities:

Keep container dry and tightly closed in a cool and well ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.

VCI storage class (VCI = German Association of the Chemical Industry): 10

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No information on Exposure Limit Values necessary according to EC directive 2006/121/EG

Exposure controls

Hand protection:

Protective gloves are recommended.

Conditionally suitable materials for protective gloves; EN 374:

Nitrile rubber - NBR (≥ 0.35 mm)

Breakthrough time not tested; dispose of immediately after contamination.

Eye protection:

Wear eye/face protection.

Skin and body protection:

Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Information on basic physical and chemical properties

Appearance:	liquid	
Colour:	Different	
Odour:	low odour	
Odour Threshold:	not established	
pH:	not applicable	
Pour point:	ca. -14 °C	ISO 3016
Initial boiling point:	> 250 °C at 1,013 hPa	DIN 53171
Flash point:	ca. 157 °C	DIN EN 22719
Evaporation rate:	not established	
Flammability (solid, gas):	not applicable	
Burning number:	not applicable	
Vapour pressure:	ca. 5 hPa at 20 °C	EG A4
	ca. 20 hPa at 50 °C	EG A4
	ca. 25 hPa at 55 °C	EG A4
Vapour density:	not established	
Density:	ca. 1.20 – 1,45 g/cm ³ at 20 °C	DIN 51757
Surface tension:	not established	
Partition coefficient (n–octanol/water):	not established	
Autoignition temperature:	ca. 350 °C	
Ignition temperature:	ca. 420 °C	DIN 51794
Decomposition temperature:	not established	
Viscosity, dynamic:	ca. 3000 mPa.s at 23 °C	ISO 2431
Explosive properties:	not established	
Dust explosion class:	not applicable	
Oxidising properties:	not established	
Other information:	The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.	

10. STABILITY AND REACTIVITY

Chemical stability: No decomposition below initial flash point

Possibility of hazardous reactions: No hazardous reactions observed.

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

11. TOXICOLOGICAL INFORMATION

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Information on toxicological effects

Acute toxicity, oral:

LD50 rat: > 5,000 mg/kg

Primary skin irritation:

Species: rabbit

Result: non-irritant

Primary mucosae irritation:

Species: rabbit

Result: non-irritant

Sensitisation:

Skin sensitization (local lymph node assay (LLNA)):

Species: mouse

Result: negative

Method: OECD Test Guideline 429

Toxicological studies at the solvent-free product

Genotoxicity in vitro:

Test type: Salmonella/microsome test (Ames test)

Result: No indication of mutagenic effects.

Method: OECD Test Guideline 471

12. ECOLOGICAL INFORMATION

Do not allow to escape into waterways, wastewater or soil.

Toxicity

Acute Fish toxicity:

LC50 > 100 mg/l

Species: Danio rerio (zebra fish)

Exposure duration: 96 h

Method: OECD Test Guideline 203

Acute toxicity for daphnia:

EC50 > 100 mg/l

Species: Daphnia magna (Water flea)

Exposure duration: 48 h

Method: OECD Test Guideline 202

Acute toxicity for algae:

IC50 > 100 mg/l

Species: scenedesmus subspicatus

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Exposure duration: 72 h
Method: OECD Test Guideline 201

Acute bacterial toxicity:

EC50 > 1,000 mg/l
Species: activated sludge
Method: OECD Test Guideline 209

Persistence and degradability

Biodegradability:

Biodegradation: 12 %, i.e. not readily degradable
Method: OECD Test Guideline 301 D

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Waste treatment methods

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.
None disposal into waste water.

14. TRANSPORT INFORMATION

ADR/RID Not dangerous goods

ADN Not dangerous goods

This classification data does not apply to transportation by tanker. If required, additional information can be requested from the manufacturer.

IATA Not dangerous goods

IMDG Not dangerous goods

Special precautions for user : Not dangerous cargo.
Keep dry.
Keep separated from foodstuffs.

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15. REGULATORY INFORMATION

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

Water contaminating class (Germany): 1 slightly water endangering
(in accordance with Annex 3 to the Directive on Water-Hazardous Substances)

16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.