

Safety Data Sheet

According to 91/155/EEC for FERMACELL® Jointstik

printed: 2005-08-10

revised: 2005-08-04

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1 Identification of the Substance or Preparation and Company

Substance/Preparation

FERMACELL® Jointstik

Use of the substance /preparation

Cartridge applied glue also available in aluminium foil packs, not intended for mechanical application.

Manufacturer/Supplier

Xella Trockenbau-Systeme GmbH, Dammstraße 25, D-47119 Duisburg

Ph.: +49 800 5235665, Fax: + 49 800 5356578

Quality control contact: Ph: +49 5381 76242

Emergency contact: Ph: + 49 551 19240

A: Xella Trockenbau-Systeme GmbH, Bürocenter B 17, Brown-Boveri-Straße 6/4/24, 2351 Wiener Neudorf, Tel.: 02236 - 4250-6

CH: Xella Trockenbau-Systeme GmbH, Südstraße 4, 3110 Münsingen, Tel.: 031 - 7242020

GB: Xella Dry Lining Systems, P.O.Box 10028, Sutton Coldfield B75 7ZF, Tel.: 0870 - 6090306

F: Xella systèmes construction sèche, 30, Rue de l'Industrie, 92563 Rueil Malmaison Cedex, Tél.: 01.47.16.92.90, Numéro d'appel d'urgence: 01 45 42 59 59 (ORFILA)

NL: Xella Droogbouw Systemen BV, Postbus 398, 6600 AJ Wijchen, Tel.: 024 - 6495111

B: Xella Droogbouw Systemen, Postbus 54, 8790 Waregem, Tel.: 056 - 727180

DK/N/S: Xella Byggesystemer, Sandøvej 1b, 8700 Horsens, Tel.: 0045 - 39698907

PL: Xella systemy suchej zabudowy Sp. zoo, Oddział w Polsce, ul. Migdałowa 4, 02-796

Warszawa, Tel.: 022 - 6451338(9), Tel. inf. Toksykologicznej: (042) 6314724 lub 6314767

CZ: Xella systémy suché výstavby, Zbraslavská 1/37, 15900 Praha 5 - Malá Chuchle, Tel.: 2 - 251682731

I: Xella Italia s.r.l., Via Vespucci 39/47, 24050 Grassobbio (BG), Tel: 035 4522448

E: Xella Trockenbau-Systeme GmbH, Dammstraße 25, D-47119 Duisburg, Tel.: +49 203 / 5019071

2. Composition/Information of Ingredients

Mixture of the following substances containing small amounts of non classified substances.

Hazardous Ingredients

Diphenylmethan-4,4'-diisocyanat, percentage: 30 - 80 %, CAS no: 101-68-8, symbol(s): Xn, R 20-36/37/38-42/43, EINECS no: 202-966-0

Additional Information

Refer to section 16 - Other information

3. Hazards Identification

Hazard identification

Symbol Xn, harmful

Special information for personnel and environment

R 20 Harmful by inhalation.

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 42/43 May cause sensitisation by inhalation and skin contact.

Contains isocyanates. Observe manufacturer's regulations.

Additional information

Refer to section 11 - Ecological Information.

4. First Aid Measures**General information**

Move affected individual to fresh air.

Inhalation

Move affected individual to fresh air and administer artificial respiration if necessary. In case of unconsciousness, lay the person supported on his or her side. Please note: Should any symptoms persist obtain medical assistance.

Skin contact

Wipe off uncured product with a paper towel or cotton pad. Wash skin thoroughly with soapy water. Cured product should be not be removed. Please note: Should skin irritation persist obtain medical assistance.

Eye contact

Keep the eyelids open and rinse thoroughly with clean running water and obtain medical assistance immediately.

Ingestion

DO NOT induce vomiting. Seek IMMEDIATE medical assistance.

5. Fire Fighting Measures**Suitable fire extinguishing media**

Carbon dioxide, dry powder or water spray. In case of large scale fires water spray or alcohol-resistant foams are preferred.

Substance hazards, hazardous combustion products or resultant gases

In case of fire, formation of CO, NO_x and HCN is possible.

Required special protective equipment for fire-fighters

Wear self-contained breathing apparatus and impervious full-protective clothing.

6. Accidental Release Measures**Personal precautions**

Ensure sufficient ventilation. Wear full-protective clothing. Remove unprotected individuals.

Environmental protection measures

Do not allow the product to enter the drains, liquid effluent piping, surface water and groundwater.

Cleaning/absorption measures

Mechanical handling. Absorb the spilled material by using moist absorbents (e.g. sand, diatomite, acid binders, universal binders, saw dust) and collect for disposal in the containers provided for this.

Do not seal container, a chemical reaction generating carbon dioxide gas pressure may occur resulting in rupture of the container. Keep moist and let react in moist environment. Refer to section 13 - Disposal information.

7. Handling and Storage

Handling

Instructions regarding safe working

Ensure good ventilation or provide local exhaust ventilation at the work area. Do not heat above 40°C or below 10°C.

Instructions regarding fire and explosion protection

Product reacts with water and atmospheric moisture generating CO₂ gas pressure resulting in rupture of sealed containers.

Storage

Requirements of storage rooms and containers

Store in original holders only.

Instructions regarding combined storage

Not applicable

Further storage conditions data

Store product in tightly closed containers in cool and dry conditions. Protect against frost (frost resistant for short periods during transport or on site storage).

8. Exposure Controls/Personnel Protection

Additional information for the design of technical facilities

No additional information (Refer to section 7).

Occupational exposure limits

101-68-8 Diphenylmethane-4,4'-diisocyanate

MAK: 0,05 mg/m³

29; TRGS 900

Additional information

Based on lists valid at the time of production. MAK value taken from the literature.

Personal protective equipment

General protective measures and hygiene

Avoid contact with eyes and skin. Keep away from food, drink and animal feed. Remove soiled clothing immediately. Wash hands before taking a break and after work.

Respiratory protection

Not required when work place is well ventilated. Respiratory protection required in not adequately ventilated work areas, half face masks and combination filters type A2-P2 are recommended.

Suitable material for safety gloves

Natural rubber, Nitril rubber (thickness ≥ 0,35 mm)

Permeability of glove material

Enquire exact time to permeability from glove manufacturer.

Eyes protection

Wear safety goggles.

Body protection

Wear protective working clothes.

Additional information

No aerosol formation possible when product is applied in cartridges or film tubes.

9. Physical and Chemical Properties

Appearance:	paste	Colour:	beige-yellow
Odour:	mildly typical of it's type		
Change of state			
Melting point/range:	not determined	Boiling point/range:	not determined
Flash point	198 - 201°C	Spontaneous ignition:	not applicable
Ignition temperature	400°C	Explosion harzard:	not applicable
Density (20°C):	1,47 - 1,59 g/cm ³	Solubility in water:	non soluble reacts (moisture)

10. Stability and Reactivity

Thermal decomposition/conditions to be avoided

Thermal decomposition occures when exposed to high temperatures. From 260°C polymerisation occurs, formation of CO₂.

Hazardous reactions

Exothermic reaction with amines, alcohols, acids and bases; reacts with water (moisture) forming CO₂ that can produce enough pressure to rupture closed containers.

Hazardous decomposition products

No hazardous decomposition products known.

11. Toxicological Information

Acute toxicity

May be irritating to skin and mucous membranes of nose, throat or trachea.

Eye contact

May result in eye irritation.

Sensitisation

Inhalation of vapours above MAK value and skin contact may cause sensitisation.

Additional toxicological information

According to the calculation following the EC directive (latest revision) for preparation, the product is listed harzardous to health, irritating and sensitising.

12. Ecological Information

General information

Water pollution class 1: mildly water pollutant.

Avoid undiluted discharge or spillage of large amounts into ground water, surface water or liquid effluent piping. Product reacts with water forming CO₂ and reacting to a firm, refractory and non soluble product (polyurea). This reaction is greatly accelerated by interface active substances (e.g. liquids) or water soluble solvents.

13. Dipsosal Considerations

Product

Recommendation

Uncurred product may not be discharged as household waste. Avoid discharge of the product into liquid effluent piping. Remove residue material with water. Dispose according to local waste management regulations.

European Waste Catalogue (EWC): 080409 waste adhesives and sealants containing organic solvents or other dangerous substances.

Soiled containers

Dispose in accordance with local waste management regulations.
European Waste Catalogue (EWC): 150102 plastic packaging.

14. Transport Information

Land transport ADR/RID and GGVS/GGVE (international/inland)

ADR/RID-GGVS/E-class: -

Sea transport IMDG/GGV Sea

IMDG/GGVSea-class: -

Marine pollutant: no

Air transport ICAO-TI and IATA-DGR

ICAO/IATA-class: -

Further transport information

Not classified as hazardous for transport.

15. Regulatory Information

Designation under EEC directives

Designation under EEC directives/Ordinance on Hazardous Substances: classified as hazardous substance and labeled. Observe standard regulations for handling of chemicals.

Hazard designation

Xn harmful

Hazardous component requiring labelling

Diphenylmethan-4,4'-diisocyanate

R-phrases

R 20 Harmful by inhalation.
R 36/37/38 Irritating to eyes, respiratory system and skin.
R 42/43 May cause sensitisation by inhalation and skin contact.

S-phrases

2 Keep out of the reach of children.
23 Do not breathe gas/fumes/vapour/spray.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of water and soap.
35 This material and its container must be disposed of in a safe way.
36/37 Wear suitable protective clothing and gloves.
46 If swallowed, seek medical advice immediately and show this container or label.
45 In case of accident or when you feel unwell, seek medical advice immediately.
51 Use only in well-ventilated areas.

Special designation of contents

Contains isocyanates. Observe manufacturer regulations on the handling of isocyanates.

National Classification

CH: BAG T Nr. 101054, hazard class 5 S, ISOCYANATE

DK: PR-nr. 1294400

N: PRN 080171

Water pollution class

Class 1: mildly water pollutant

16. Other Information**Liability**

The information given is correct to the best of our knowledge at the time of publication but without guarantee of accuracy. We do not accept any responsibility for damage and claims arising from handling, transport, storage or disposal of the product. This safety data sheet applies only to the product named above. If the product is used as part of other products, information given in the safety data sheet may be invalidated.

No warranty is hereby expressed or implied.

Relevant R-phrases

R 20 Harmful by inhalation.

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 42/43 May cause sensitisation by inhalation and skin contact

Safety data sheet produced by

Quality control

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This data sheet contains 6 pages.