

MATERIAL SAFETY DATA SHEET

FERMACELL® JOINTSTIK

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
T: +49 800 5235665, F: +49 800 5356578

Quality control contact: T: +49 5381 76242

Emergency contact: T: + 49 551 19240

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

2. COMPOSITION/INFORMATION OF INGREDIENTS

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

Hazardous Ingredients:

Diphenylmethan-4,4'-diisocyanate, 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

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.

MATERIAL SAFETY DATA SHEET

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 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, surfacewater and groundwater.

Cleaning/absorption measures:

Mechanical handling. Absorb the spilled material by using moist absorbents (e.g. sand, diatomite, acid binders, universal binders, sawdust) 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. 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 $\geq 0,35$ 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 its 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 hazard: not applicable

Density (20°C): 1,47 – 1,59 g/cm³

Solubility in water: non soluble, reacts (moisture)

10. STABILITY AND REACTIVITY

Thermal decomposition/conditions to be avoided:

Thermal decomposition occurs 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 hazardous 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.

MATERIAL SAFETY DATA SHEET

13. DISPOSAL CONSIDERATIONS

Product

Recommendation:

Uncured 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 labelled. 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 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

Contact:

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