

SAFETY DATA SHEET

1 IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

PRODUCT NAME: Chippi D4 PU

INTENDED USE: Adhesive

SUPPLIER: Pre Seal Boards Limited
UNIT R
Hadrian Business Park
Haltwhistle
Northumberland
NE49 0EX

TELEPHONE: 01434 322054

2 COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Characterisation:

Dangerous Components:

- CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues 50-85%.
Xn: R20-36/37/38-42/43
- CAS: 101-68-8 diphenylmethane-4,4'-diisocyanate 25-50%
EINECS: 202-966-0 Xn; R20-36/37/38-42/43

Additional Information:

For the wording of the listed risk phrases, refer to section 16.

3 HAZARDS IDENTIFICATION:

Hazard Description:

Xn Harmful.

Information pertaining to particular dangers for man and environment:

R20 Harmful by inhalation
R36/37/38 Irritating to eyes, respiratory system and skin.
R42/43 May cause sensitisation by inhalation and skin contact.
Contains isocyanates.

4 FIRST AID MEASURES:

General Information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is necessary.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness, place patient in the recovery position and await medical attention.

After skin contact:

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent. If skin irritation continues consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Seek medical advice.

After swallowing:

Do not induce vomiting. Seek immediate medical attention.

5 FIRE FIGHTING MEASURES:

Suitable Extinguishing media:

Use fire extinguishing methods suitable to surrounding conditions.

Special hazards caused by the substance, it's products of combustion or resulting gases:

In case of fire, the following can be released: Isocyanates, Nitrogen oxides (NOx),
In certain fire conditions, traces of other toxic gases cannot be excluded, e.g., Hydrogen cyanide (HCN),

Special Procedures:

Use approved self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES:

Personal Protection:

Use respiratory protective device against the effects of fumes/dust/aerosol.

Measures for environmental protection:

Prevent seepage into sewage system, workpits and cellars.

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

Measures for clean-up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

7 HANDLING AND STORAGE:

Handling:

Information for safe handling: Ensure good ventilation/exhaustion at the workplace.

Information on protection against fires and explosion: No special measures required.

Storage:

Store only in the original containers.

Store in a cool, dry, well ventilated area.

Keep containers tightly sealed.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Occupational Exposure Limit:

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

MEL: Short term value: 0.07 mg/m³

Long term value: 0.02 mg/m³

Sen; as -NCO.

Additional information:

The lists that were valid during the creation were used as a basis.

Personal protective equipment:

General protective and hygienic measures.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work

Avoid contact with the eyes and skin.

Breathing equipment:

Use suitable respiratory protective device only when aerosol or mist is formed.

Filter AP2

Protection of hands:

Protective gloves.

Material of gloves:

Butyl rubber (0.5mm)

Fluorocarbon rubber (Viton) - FCM (0.4mm)

Nitrile Rubber - NBR (0.35mm)

Natural Rubber - NR (0.5mm)

Chloroprene Rubber - CR (0.5mm)

PVC gloves (0.5mm)

Penetration time of glove material:

Value for the permeation: Level \geq 8h.

Eye protection:

Wear tightly sealed goggles.

Body protection:

Wear protective work clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES:

| | |
|--|--|
| Appearance: | Fluid |
| Colour: | Brown |
| Odour: | Weak/characteristic |
| Boiling point/range: | 208°C |
| Flash point: | 212°C |
| Ignition temperature: | 520°C |
| Danger of explosion: | product does not present an explosion hazard |
| Explosion limits: Lower | 0.4 Vol % |
| Vapour pressure @ 20°C | <0.00001 hPa |
| Density @ 20°C: | 1.13 g/m ³ |
| Solubility in / miscibility with water: | Not miscible or difficult to mix |
| Viscosity, dynamic @ 20°C: | 8000 mPa.s (Brookfield RVT) |

10 STABILITY AND REACTIVITY:**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

Dangerous reactions.

No dangerous reactions known.

Dangerous products of decomposition:

No dangerous decomposition products known.

11 TOXICOLOGICAL INFORMATION:**Acute toxicity:****LD/LC50 values relevant for classification:**

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

Oral LD50 15000 mg/kg (rat)

Primary irritant effect on:

Skin: Irritating to skin and mucous membranes.

Eyes: Irritating effect.

Sensitisation:

Sensitisation possible through inhalation and skin contact.

12 ECOLOGICAL INFORMATION:**General Notes:**

Must not reach sewage water or drainage ditch undiluted or un-neutralised.

13 DISPOSAL CONSIDERATIONS:**Recommendation:**

Must be specially treated adhering to official regulations.

Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

European waste catalogue.

08 04 09 waste adhesives and sealants containing organic solvents or other dangerous substances.

08 05 01 waste isocyanates.

Uncleaned packaging:**Recommendation:**

Empty contaminated packaging thoroughly. They may be recycled after thorough and proper cleaning.

14 TRANSPORT INFORMATION:

Not hazardous for transport.

15 REGULATORY INFORMATION:**Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xn Harmful

Hazard determining components of labelling:

diphenylmethane-4,4'-diisocyanate

Risk phrases:

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitisation by inhalation and skin contact.

Safety phrases:

S2: Keep out of the reach of children

S23: Do not breathe vapour.

S36/37: Wear suitable protective clothing and gloves.

S45: In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible.

Special labelling of certain preparations:

Contains isocyanates. See information supplied by the manufacturer.

16 OTHER INFORMATION:**Risk phrases used in s:2:**

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitisation by inhalation and skin contact.

Legal disclaimer:

The information contained in this Data Sheet does not constitute the user's own assessment of work place risks as required by other health and safety legislation. As the specific conditions of use of the product are outside the suppliers control the user is responsible for ensuring that the requirements of the relevant legislation are complied with. This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.