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**1 PREPARATION AND COMPANY IDENTIFICATION**

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**Preparation Identification:**

Adflex PU45 Adhesive

**Sealant Supplier****Intek Adhesives Ltd**Unit 20 Atley Business Park  
Cramlington, Northumberland  
NE23 1WP

Tel: 01670 734400

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**2 COMPOSITION/INFORMATION ON INGREDIENTS**

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Chemical Characterisation (preparation):

**Description**

One Component Polyurethane Sealant

| Ingredient                           | CAS No.     | Percent |
|--------------------------------------|-------------|---------|
| Polyurethane prepolymer (MDI based)  | None        | 30-40   |
| Polyvinyl chloride                   | Unknown     | 20-30   |
| Plasticizer                          | 091082-17-6 | 20-30   |
| Titanium dioxide                     | 13463-67-7  | 0-4     |
| Iron oxide                           | 1317-61-9   | 0-1     |
| Aliphatic petroleum distillate       | 64742-47-8  | 1-4     |
| Xylene                               | 1330-20-7   | 2-5     |
| Diphenyl methane di-isocyanate (MDI) | 101-68-8    | <0.6    |

**Substances presenting a health hazard**

Xylene and Diphenyl methane di isocyanate

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**3 HAZARDS IDENTIFICATION**

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Critical hazards to man and environment:

**Inhalation**

Irritation to nose and throat, prolonged exposure may cause headache, dizziness, incoordination, slowed reaction time and unconsciousness. Mild skin irritation after repeated or prolonged contact. May cause allergic skin rash.

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**4 FIRST**

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**AID MEASURES**

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General Information:

**After inhalation**

Provide fresh air. Give artificial respiration if necessary.

**After contact with skin**

Immediately rinse with plenty of soap and water. Remove all contaminated clothing.

**After contact with the eyes**

Rinse immediately with plenty of water for 10 - 15 minutes and seek medical advice.

**After swallowing**

Do not induce vomiting. Drink water. Seek medical advice and clearly identify substance.

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**5 FIRE**

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**FIGHTING MEASURES**

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**Suitable extinguishing media**

Dry powder, foam, carbon dioxide, water spray.

**Extinguishing Media which must NOT be used for safety reasons:****Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Carbon monoxide and dioxide, oxides of nitrogen, isocyanates.

**Special protective equipment for fire fighting**

Use respiratory protection, independent of recirculated air. Wear protective suit.

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**6 ACCIDENTAL RELEASE MEASURES**

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**Personal****Precautions**

Ensure adequate ventilation, do not breathe vapours. Proscribe from sources of ignition/explosion.

**Environmental precautions**

Observe local bye-laws. Do not discharge into drains or into the environment.

**Methods for Cleaning up**

Absorb mechanically and dispose of according to regulations.

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**7 HANDLING AND STORAGE**

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**Handling**

Precautions for safe handling - Ensure adequate ventilation. Keep away from sources of ignition. Do not smoke.

Precautions against fire and Explosion: Observe the general rules for fire prevention.

**Storage**

Conditions for storage rooms and vessels: Advice for storage of incompatible materials.

Further information for storage: Protect against moisture.

Store in a dry, well ventilated and cool place in original container.

Keep container tightly closed.

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**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Further information for system design and engineering measures**

Absorb vapours when they appear.

**Associate substances with specific control parameters such as limit values:****Personal protection equipment****General protection and hygiene measures****Respiratory protection**

Not required.

**Hand protection**

PVC gloves, rubber gloves recommended.

**Eye protection**

Not required.

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance**

Form : Paste  
Colour : Coloured  
Odour : Solvent Odour

#### Safety parameters

Change in physical state :  
Boiling point : Omitted  
Flash point : 50°C  
Inflammability :  
Ignition temperature :  
Autoflammability : 500°C  
Oxidising properties :  
Explosive properties :  
Explosion limits :  
Percent volatile : ca 8%  
Vapour pressure :  
Vapour density : 3.66 (xylene) Density  
: 1.17g/cm<sup>3</sup>  
@ 25°C

Solubility in water : nil  
Solubility : Toluene, xylene,  
MEC

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### STABILITY AND REACTIVITY

#### General Information

If stored and handled in accordance with standard industrial practices, no hazardous reactions are known.

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### TOXICOLOGICAL INFORMATION

Prolonged inhalation may cause strong irritation of mucous membranes and respiratory sensitisation; headache, dizziness (see chapter 3).

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### ECOLOGICAL INFORMATION

No Data Known

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### DISPOSAL CONSIDERATIONS

Material Recommendations: Incinerate in an industrial facility in the presence of a combustible material.

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### TRANSPORT INFORMATION

#### Land transport ADR/RID and GGVS/GGVE

GGVS/GGVE : non-hazardous material  
ADR/RID : non-hazardous material  
Warning Board  
Hazard no:  
Substance No:  
Descriptions of goods:  
Further information:  
Despatch Symbol:  
Express: Permitted

#### Inland navigation ADN/ADNR

Further information:

#### Transport by sea IMDG/GGVsea

IMDG/GGVsea-class: non-hazardous material  
EmS no:  
Marine pollutant: No  
Correct technical name:  
Technical name:  
Proper ship name:  
Further information:  
Despatch symbol:  
**Air transport ICAO-TI and IATA-DGR transport by air**  
ICAO/IATA class: non hazardous material  
Correct technical name;  
Technical name:  
Proper ship name:  
Further information:  
Despatch Symbol:  
Air mail transport: permitted

Transport/further information: Informing dept. ref to heading 14.  
Transport information.

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### REGULATORY INFORMATION

Identification according to EEC directives: R10-20-36/37/38-42  
S26-28-38-45

Contains diphenyl methane di isocyanate  
National regulations.

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### OTHER INFORMATION

No liability is accepted for any injury, loss, damage of cost arising directly or indirectly from the use of information contained within this MSDS since the customer's treatment of the product is necessarily out of our control. The data given above is based upon current knowledge and experience. This safety sheet is intended to describe our terms of their safety requirements. It does not guarantee the properties of the products described.