1. **Name of product and company**
   - **Product details:**
     - two component polyurethane adhesive – **component B**
   - **Information on manufacturer / supplier:**
     - Address, telephone etc.:
       - Engineering Chemicals BV
       - van Andelstraat 7
       - NL-4651 TA STEENBERGEN
       - Holland
       - Telephone: -31-(0)167-566984
       - Telefax: -31-(0)167-561118
       - Email: e-chem@e-chem.nl
       - Website: www.e-chem.nl
     - **Emergency information**: Technical Department

2. **Possible hazards**
   - not applicable

3. **Composition / Information on components**
   - Chemical characterization: Polyetherpolyols

4. **First aid measures**
   - After inhaling: Move to clear area. Treat symptomatically.
   - After skin contact: Wash immediately with soap and water.
   - After eye contact: Flush with clean lukewarm water for at least 15 minutes
   - After swallowing: Give 1 or 2 cups milk or water.
   - Information for doctor: Treatment is essentially symptomatic.

5. **Fire fighting measures**
   - **Suitable extinguishing agents:**
     - Dry chemical; Carbon Dioxide; Foam; Water spray for large fires.
   - **For safety reasons unsuitable extinguishing agents:**
     - Water is least desirable due to the liquid nature of product.
   - **Special hazards caused by the material, the preparation itself, its products of combustion or emerging gases:** NA
6. Measures for accidental release
- Person related precautions: Thoroughly wash adhesive from skin with water and soap.
- Environment related precautions: Remove and dispose of according to local regulations
- Methods for cleaning / collecting: NA

7. Handling and storage
- Handling: Avoid contact with skin and eyes. Employee education and training in use of this product essential.
- Storage: Store in tightly closed containers.

8. Exposure restrictions and personal protective equipment
- Information on design of technical systems: Reactive vapours heavier than air, downdraft ventilation preferred.
  - Personal protective equipment:
    - General protective and hygiene measures:
    - Breathing protection: Not required
    - Hand protection: Rubber gloves
    - Eye protection: Safety glasses
    - Body protection: NA

9. Physical and chemical properties
Form: Liquid
Colour: Clear
Smell: Odourless
PH value: NA
Boiling point / boiling range: Not determined (Decomposes)
Melting point / melting range: Liquid above 25ºC
Flash point: 200ºC Pensky-Martens Closed Cup ASTM D-93
Ignition temperature: Not determined
Self-inflammability: NA
Danger of explosion: Only if in a tightly closed container in extreme heat
  - Lower explosion limit: NA
  - Upper explosion limit:
Fire supporting features:
Vapour pressure: Approximately 1.5 x 10-5 mmhg @ 25 ºC
Bulk density: 1.12 kg per litre at 25ºC
Water solubility: reacts (A component)
Fat solubility:
Distribution coefficient:
Viscosity: Approximately 3000 CPS
Additional information:
10. Stability and reactivity
   - Conditions to be avoided: Contact with moisture or other materials which react with isocyanate may cause polymerisation.
   - Materials to be avoided: Water; Amines; Alcohols; Metal compounds.
   - Dangerous substances produced by decomposition: By heat and fire; carbon dioxide, carbon monoxide, oxides of nitrogen.

11. Toxicological information
   - Primary irritant effects:
     - On skin: No irritation
     - On eyes: No irritation

12. Ecological information
    NA

13. Advises for disposal
    - Product: Product must be disposed of according to all local environmental control regulations.
    - Uncleaned packagings: Empty containers can be recycled

14. Information on transport
    - Land transport (acc. to ADR/RID and GGVS/GGVE): non dangerous goods
      ADR/RID/GGVS/GGVE-class:
      Number/letter:
      UN-number:
      Technical description:
      Marking:
    - Ship transport (acc. to IMDG/GGV Sea): non dangerous goods
      IMDG/GGV sea class:
      Page:
      UN number:
      EMS number:
      MFAG board number:
      Marine pollutant:
      Technical description:
      Marking:
    - Air transport (acc. to ICAO-TI and IATA-DGR): non dangerous goods
      ICAO/IATA class:
      UN-number:
      Technical description:
      Marking:
15. Regulations
   - Marking acc. to EC-regulations:
     - Hazard symbol :
     - R. phrases :
     - S.phrases :
     - Special markings: NA

16. Other information
   The information in this Safety Data Sheet is based on our present knowledge. However, it does not represent a guarantee for any specific product features and does not establish a contractual relationship.

   Date of publication : 01-10-2012