1. Identification of the substance/preparation and company

Product
Product name
SikaSwell S-2

Manufacturer/supplier information
Manufacturer/supplier: Sika South Africa (Pty) Ltd
Street/postbox: P.O. Box 15408
Town/City and Post Code: 3608 Pinetown
Country: South Africa
Phone: +27 31 792 65 00
Telefax: +27 31 700 17 60

General information:
Emergency information phone:
+27 31 792 65 00

* 2. Composition/information on ingredients

Chemical characterization
Filled reactive PUR-polymer

Hazardous ingredients
Designation according to 67/548/EEC
<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Concentration</th>
<th>Danger symbols</th>
<th>R phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>oxydipropyl-dibenzoate</td>
<td>27138-31-4</td>
<td>2.5 - 10%</td>
<td>N</td>
</tr>
<tr>
<td>248-258-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium sulphate</td>
<td>10043-01-3</td>
<td>25 - 50%</td>
<td>Xi</td>
</tr>
<tr>
<td>233-135-0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>gamma-butyrolactone</td>
<td>96-48-0</td>
<td>2.5 - 10%</td>
<td>Xn</td>
</tr>
<tr>
<td>202-509-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aliphatic polyisocyanate</td>
<td>28182-81-2</td>
<td>2.5 - 10%</td>
<td>Xi</td>
</tr>
</tbody>
</table>

3. Hazards identification

Hazard identification
Xi Irritant

Information on hazards to man and to the environment
41 Risk of serious damage to eyes.
43 May cause sensitization by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
4. First-aid measures

General instructions
In any case show the physician the Safety Data Sheet

After inhalation
In the event of symptoms take medical treatment.

After skin contact
In case of contact with skin wash off immediately with soap and water
Consult a doctor if skin irritation persists.

After eye contact
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.
Summon a doctor immediately.

After ingestion
Turn a vomiting person lying on his back onto his side.
Summon a doctor immediately.

5. Fire-fighting measures

Suitable extinguishing media
compatible with all usual extinguishing media

Exposure hazard arising from the product, its combustion products or resulting gases
In the event of fire the following can be released:
Carbon monoxide (CO)
Carbondioxide (CO2)
Nitrogen oxides (NOx)

Additional information
Fire residues and contaminated firefighting medium must be disposed of in accordance with the local regulations.
Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures

Personal precautions
Not applicable.

Environmental precautions
Do not allow to enter drains or waterways
In case of entry into waterways, soil or drains, inform the responsible authorities.

Procedures for cleaning up
Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).
When picked up, treat material as prescribed under heading "Disposal".
7. Handling and storage

Handling
Instructions for safe handling
See chapter 8 / Personal protective equipment.

Instructions for fire and explosion protection
Not applicable.

Storage
Requirements for storage rooms and containers
Keep container tightly closed and dry in a cool, well-ventilated place

Combined storage instructions
Keep away from food, beverages and animal feedstocks.

Additional information regarding storage
Protect from frost.
Protect from heat and direct sunlight
Protect from atmospheric moisture and water

8. Exposure controls/personal protection

Personal protective equipment
General protective and hygiene measures
Take care for sufficient ventilation or exhaust on the workshop place.
Avoid contact with eyes and skin
Use barrier skin cream.
Remove soiled or soaked clothing immediately.
Do not eat, drink or smoke during work time.
Wash hands before breaks and after work.

Respiratory protection
Not applicable.

Hand protection
Butyl rubber/nitrile rubber gloves

Eye protection
Tightly fitting safety glasses

Body protection
Working clothes

* 9. Physical and chemical properties

Appearance
Physical state: Pasty
Colour: various
Odour: characteristic

Data relevant to safety
Flash point > 98 °C
9. Physical and chemical properties (continued)

- Vapour pressure at 20°C: 0.2 hPa
- Density at 20°C: approx. 1.3 g/cm³
- Solubility in water: insoluble, only capable of swelling at 20°C
- VOC (solvents): 3.8%
- VOC (CH): 3.8%

10. Stability and reactivity

- Materials to avoid/dangerous reactions:
  No hazardous reactions when stored and handled according to prescribed instructions.

- Thermal decomposition and hazardous decomposition products:
  No decomposition if used as prescribed.

11. Toxicological information

- Sensitization:
  Sensitization/allergic reaction possible.
  Allergic reaction may be observed in sensitive persons, even on very low concentrations.

- Experience on humans:
  When skin contact:
  Irritation.
  When eyes contact:
  Risk of serious damage to eyes.
  When inhalation:
  Irritation.
  When swallowed:
  Small amount may cause considerable health disorders.

12. Ecological information

- Additional information:
  Do not allow to enter waste water drain, waterways or soil.

13. Disposal considerations

- Packaging:
  Recommendations:
  Completely emptied packagings can be given for recycling.
13. Disposal considerations (continued)
Packaging containing remains of dangerous substances, as well as packagings disposed of remains can be unharmed eliminated in accordance with the regulations.

14. Transport information

ADR/RID
Further information
No dangerous goods.

IMO/IMDG
Marine pollutant: no
Further information
No dangerous goods.

IATA/ICAO
Further information
No dangerous goods.

* 15. Regulatory information

Labelling according to EEC Directive
The product is classified and labelled in accordance with EC directives/the relevant national laws.
Relevant hazardous ingredients for labelling
Contains: Aliphatic polyisocyanate

Danger symbols
Xi Irritant

R phrases
41 Risk of serious damage to eyes.
43 May cause sensitization by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases
24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37/39 Wear suitable gloves and eye/face protection.

Special labelling for certain preparations
Contains isocyanates. Observe manufacturer's instructions.
16. Other information

   asterisk (*) on left margin marks modification of previous version

   Recommended use: Chemical product for construction and industry

   R-phrases of the ingredients listed in chapter 2
   22   Harmful if swallowed.
   36   Irritating to eyes.
   41   Risk of serious damage to eyes.
   43   May cause sensitization by skin contact.
   51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to any use and processing.