

## Safety data sheet

### According to 91/155 EEC

Printing date 18.11.2010

Version number 28

Revision: 18.11.2010

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** AV Activator
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**  
 Hardening agent/ Curing agent  
 Curing agent/ cross-linker/ Vulcanizing agent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Forbo Siegling Pty. Ltd  
 Factory 1, 124-126 Rodeo Drive  
 Dandenong South  
 Victoria 3175. Australia  
 Ph.: 1300137933  
 Fax: 1300137944
- **Information department:**  
 Chemical Laboratory  
 Email: Claudius.Hayduk@forbo.com
- **Emergency telephone number:**  
 (001) 352 323 3500 (Transport hazardous materials)  
 ++49 (0) 511-6704-214

### 2 Composition/information on ingredients

- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:** Void
- **Additional information** For the wording of the listed risk phrases refer to section 16.

### 3 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable
  - **Information concerning particular hazards for human and environment:**  
 The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
  - **Classification system:**  
 The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.
- 
- **Label elements**
  - **Labelling according to EU guidelines:**  
 Observe the general safety regulations when handling chemicals  
 The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).
  - **Safety phrases:**  
 29 Do not empty into drains.
  - **Special labelling of certain preparations:**  
 Contains isocyanates. See information supplied by the manufacturer
  - **Information pertaining to particular dangers for man and environment**
  - **Safety phrases:**  
 29 Do not empty into drains.
  - **Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

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#### 4 First aid measures

- **Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** If symptoms persist consult doctor.
- **Information for doctor** MSDB

#### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
In case of fire, the following can be released:  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)  
Hydrogen cyanide (HCN)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter the sewage system.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

#### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**



Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections** No dangerous substances are released.

#### 7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

#### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to when handling chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
Natural rubber, NR  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

- |                  |  |
|------------------|--|
| Form:            | Fluid                                  |
| Colour:          | In accordance with product designation |
| Odour:           | Odourless                              |
| Odour threshold: | Not determined.                        |

- |             |                 |
|-------------|-----------------|
| · pH-value: | Not determined. |
|-------------|-----------------|

#### · Change in condition

- |                              |                       |
|------------------------------|-----------------------|
| Melting point/Melting range: | Melting point > 120°C |
| Boiling point/Boiling range: | 385°C                 |

- |                |       |
|----------------|-------|
| · Flash point: | 200°C |
|----------------|-------|

- |                         |       |
|-------------------------|-------|
| · Ignition temperature: | 500°C |
|-------------------------|-------|

- |                              |                 |
|------------------------------|-----------------|
| · Decomposition temperature: | Not determined. |
|------------------------------|-----------------|

- |                 |                             |
|-----------------|-----------------------------|
| · Self igniting | Product is not selfigniting |
|-----------------|-----------------------------|

- |                        |   |
|------------------------|---|
| · Danger of explosion: | Product does not present an explosion hazard. |
|------------------------|---|

#### · Explosion limits:

- |        |           |
|--------|-----------|
| Lower: | 0.4 Vol % |
| Upper: | 2.9 Vol % |

- |                    |                 |
|--------------------|-----------------|
| · Vapour pressure: | Not determined. |
|--------------------|-----------------|

- |                    |                           |
|--------------------|---------------------------|
| · Density at 20°C: | 1.10635 g/cm <sup>3</sup> |
| · Relative density | Not determined.           |
| · Vapour density   | Not determined.           |
| · Evaporation rate | Not determined.           |

#### · Solubility in / Miscibility with

- |        |                                  |
|--------|----------------------------------|
| Water: | Not miscible or difficult to mix |
|--------|----------------------------------|

- |  |                 |
|--|-----------------|
| · Segregation coefficient (n-octanol/water): | Not determined. |
|--|-----------------|

#### · Viscosity:

- |          |                 |
|----------|-----------------|
| dynamic: | Not determined. |
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|                            |  |
|----------------------------|--|
| <b>kinematic:</b>          | Not determined.                            |
| · <b>Solvent content:</b>  |  |
| <b>Organic solvents:</b>   | 0.0 %                                      |
| <b>Solids content:</b>     | 33.3 %                                     |
| · <b>Other information</b> | No further relevant information available. |

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Waste disposal key:** 080409

- **European waste catalogue**

|  |
|--|
| 08 04 09*   waste adhesives and sealants containing organic solvents or other dangerous substances |
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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Australian Inventory of Chemical Substances**

All ingredients are listed.

- **Standard for the Uniform Scheduling of Drugs and Poisons**

None of the ingredients is listed.

- **Markings according to EU guidelines:**

Observe the general safety regulations when handling chemicals

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

- **Safety phrases:**

29 Do not empty into drains.

- **Special labelling of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer

- **National regulations**

- **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| II    | 73.4       |

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Chemical Laboratory

- **Contact:**

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