

**Safety Data Sheet (91/155/EEC)****WACKER® PROTECTIVE FILM SF 18**

Version: 1.7 (AUS)

Date of print: 04.05.2006

Date of last alteration: 17.05.2005

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF NOHSC****1 Identification of the substance/preparation and company****1.1 Name of substance/preparation****Commercial product name:** WACKER® PROTECTIVE FILM SF 18**1.2 Use of substance / preparation:**Industrial.  
Auxiliary agent for: rubber industry**1.3 Company name****Manufacturer:** Wacker Chemie AG  
**Street/POB-No.:** Hanns-Seidel-Platz 4  
**State/postal code/city:** D 81737 Munchen  
**Telephone:** +498962790  
**Telefax:** +498962791770**1.4 Company name****Distributor:** Wacker Chemie AG  
Careof Wacker Chemicals Australia Pty Ltd  
**Street/POB-No.:** Unit 18/20 Duerdin Street  
**State/postal code/city:** Clayton North Vic 3168  
**Telephone:** +61 3 9541 8900  
**Telefax:** +61 3 9541 8989**1.5 Australian Emergency Telephone Number:****Emergency Information:** Regulatory Compliance Manager +61 3 9541 8900**Emergency Information (24 Hours):** ADT Security - +61 3 9808 7363  
Wacker Chemical Spills**2 Composition/information on ingredients****2.1 Chemical characterization (preparation):****Chemical characteristics**

Polyvinylbutyral in organic solvent

**2.2 Hazardous ingredients:**

| EINECS /<br>ELINCS-No. | CAS No.    | Material            | Content % |       | Warning Label (EU) |                            |
|------------------------|------------|---------------------|-----------|-------|--------------------|----------------------------|
|                        |            |                     | from      | until | Symbol             | R-Phrases                  |
| 200-578-6              | 64-17-5    | Ethanol             |           | <90,0 | F                  | 11                         |
| 265-151-9              | 64742-49-0 | Hydrocarbon mixture |           | <1,0  | F, Xn, N           | 11-38-51/53-65-67          |
| 203-777-6              | 110-54-3   | n-Hexane            |           | <1,0  | F, Xn, N           | 11-38-48/20-51/53-62-65-67 |

| R-Phrase                                | Description   |
|---|---|
| R11                                     | Highly flammable.   |
| R11 R38<br>R51/53 R65<br>R67            | Highly flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.  |
| R11 R38<br>R48/20 R51/53<br>R62 R65 R67 | Highly flammable. Irritating to skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. |

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**3 Hazards identification**

3.0 This chemical is not classified as Hazardous according to the criteria of NOHSC.  
This chemical is classified as a Dangerous Good.

**3.1 Classification:**

| R-Phrase | Description       |
|----------|-------------------|
| R11      | Highly flammable. |

**4 First-aid measures****4.1 General information:**

Where there is a risk of unconsciousness place and transport on one side in a stable position.

**4.2 After inhalation:**

Move to fresh air, keep the victim laying down and restful. If breathing has stopped, give artificial respiration. Administer oxygen in case of breathing difficulties. Seek medical advice and clearly identify substance.

**4.3 After contact with the skin:**

Immediately rinse with plenty of soap and water.

**4.4 After contact with the eyes:**

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

**4.5 After swallowing:**

If conscious, give several small portions of water to drink. Seek medical advice immediately and produce the label or packaging. Never give an unconscious person anything by mouth!

**5 Fire-fighting measures****5.1 Suitable extinguishing media:**

water spray , extinguishing powder , foam , carbon dioxide .

**5.2 Extinguishing media which must not be used for safety reasons:**

water jet .

**5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**

-

**5.4 Special protective equipment for fire fighting:**

Use respiratory protection independent of recirculated air.

**6 Accidental release measures****6.1 Personal precautions:**

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours.

**6.2 Environmental precautions:**

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth).

**6.3 Methods for cleaning up:**

Take up mechanically and dispose of according to local/state/federal regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations.

**6.4 Further information:**

Eliminate all sources of ignition.

**7 Handling and storage**

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**7.1 Handling****Precautions for safe handling:**

Ensure adequate ventilation. Must be syphoned off in situ.

**Precautions against fire and explosion:**

Cool endangered containers with water. Vapours may form in closed rooms with air mixtures, leading to explosion in the presence of sources of ignition, even in empty, uncleaned vessels. Keep away from open flames, heat and sparks. Keep away from sources of ignition and do not smoke.

**7.2 Storage****Conditions for storage rooms and vessels:**

none known

**Advice for storage of incompatible materials:**

not applicable

**Further information for storage:**

Keep container tightly closed and store in a cool, well ventilated place.

**8 Exposure controls and personal protection equipment****8.1 Exposure limits****Maximum airborne concentrations at the workplace:**

| CAS No.  | Material | Type   | mg/m <sup>3</sup> | ppm    | Dust fract. | Fibre/m <sup>3</sup> |
|----------|----------|--------|-------------------|--------|-------------|----------------------|
| 64-17-5  | Ethanol  | TLV_GB | 1920,0            | 1000,0 |             |                      |
| 110-54-3 | n-Hexane | TLV_GB | 72,0              | 20,0   |             |                      |

**8.2 Exposure limited and controlled****8.2.1 Exposure in the work place limited and controlled****General protection and hygiene measures:**

Do not eat, drink or smoke when handling. Avoid contact with eyes and skin. Do not breathe vapours.

**Personal protection equipment****Respiratory protection:**

Recommendation in case of long or strong exposure: gas mask filter ABEK .

**Hand protection:**

Protective gloves made of butyl rubber recommended . Gloves suitable for up to 60 minutes' use.

**Eye protection:**

protective goggles .

**8.2.2 Exposure to the environment limited and controlled:**

Prevent material from entering surface waters, drains or sewers and open soil.

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

Observe information in section 7.

**9 Physical and chemical properties****9.1 General information**Physical state / form.....: liquid  
Colour.....: colourless  
Odour.....: slight**9.2 Important information about the protection of health, safety and the environment****Method  
(67/548/EEC) :**Melting point / melting range.....: -121 - -114 °C  
Boiling point / boiling range.....: 70 °C  
Flash point.....: 11 °C  
Ignition temperature .....: 395 °C (DIN 51794)  
Lower explosion limit (LEL).....: 3,5 %(V)  
Upper explosion limit (UEL).....: 15 %(V)  
Vapour pressure.....: 67 hPa at 20 °C  
Density.....: 0,81 g/cm3 at 20 °C (DIN 51757)

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Water solubility / miscibility.....: completely miscible at 20 °C  
pH-Value.....: approx. 7  
Viscosity (dynamic).....: approx. 100 mPa\*s

**10 Stability and reactivity****10.0 General information:**

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

**10.1 Conditions to avoid:**

none known

**10.2 Materials to avoid:**

none known

**10.3 Hazardous decomposition products:**

If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known .

**11 Toxicological information****11.0 General information:**

Active component: According to our present knowledge no data known.

**11.1 Toxicological tests****Further information:**

-

**11.2 Experience with man:**

-

**11.3 Further toxicological information:**

According to literature, ethanol (67-17-5) irritates the mucous membranes, slightly irritates the skin, degrades the skin, is narcotic and may cause liver damage.

**12 Ecological information****12.1 Ecotoxicity****Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):**

Do not introduce large amounts into purification plants.

**12.2 Mobility**

-

**12.3 Persistence and degradability****Biodegradation / further information:**

Organic solvent: Readily biologically degradable.

**Further information:**

-

**12.4 Bio-accumulation potential**

-

**12.5 Other harmful effects**

-

**12.6 Additional information****General information:**

According to our present knowledge no further data known.

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**13 Disposal considerations****13.1 Material****Recommendation:**

Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

**13.2 Uncleaned packaging****Recommendation:**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

**14 Transport information****14.1 Land transport GGVSE/ADR and RID****Road ADR:**

Valuation.....: Hazardous product  
Class.....: 3  
Packaging Group.....: II  
Hazard No. ....: 33  
UN no. ....: 1170  
Proper Shipping Name.....: Ethanol, Lösung (Ethylalkohol, Lösung)  
Wacker-Transport emergency card.....: 354

**Railway RID:**

Valuation.....: Hazardous product  
Class.....: 3  
Packaging Group.....: II  
UN no. ....: 1170

**14.2 Inland navigation GGVBinsch/ADNR****14.3 Transport by sea GGVSee/IMDG-Code**

Valuation.....: Hazardous product  
Class.....: 3  
Packaging Group.....: II  
UN no. ....: 1170  
Proper Shipping Name.....: Ethanol solution  
Marine Pollutant.....: no

**14.4 Air transport ICAO-TI/IATA-DGR**

Valuation.....: Hazardous product  
Class.....: 3  
Packaging Group.....: II  
UN no. ....: 1170  
Proper Shipping Name.....: Ethanol solution

**14.5 Transport/further information****Postal and courier service:**

German postal dispatch.....: 1000 ccm per container / 3000 ccm per package

**Informing dept. ref. to heading 14. Transport information:**

Department MW-G (Gefahrgut-Service), Telefax: +49/(0) 8677/83-5589, Telephone: +49/(0) 8677/83-4950

**15 Regulatory information****15.1 Warning Label (EU)**

F

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| S-Phrase | Description                                      |
|----------|--|
| S16      | Keep away from sources of ignition - No smoking. |
| S7       | Keep container tightly closed.                   |

**15.2 National regulations:**

|   |   |
|---|---|
| SI 2002/1689:   | CHIP Regulations 2002                                       |
| SI 2002/2677:   | COSHH Regulations 2002                                      |
| SI 1999/3242:   | Management of Health & Safety at Work Regulations 1999      |
| Health & Safety at Work Act 1974  |   |
| SI 1993/1643:   | Environmental Protection Act 1993 & Subsidiary Regulations. |
| Other national and local measures relating to the workplace, pollution control, environmental protection and waste control. |   |

**16 Other information****16.1 Material**

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

**16.2 Further information:**

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version.

|                       |                       |
|-----------------------|-----------------------|
| n.a. = not applicable | n.s. = not subject to |
|-----------------------|-----------------------|

**Details of international registration status**

Listed on the following inventories:

HSNO  
IECSC  
TSCA  
PICCS  
ENCS  
ECL  
DSL  
AICS  
EINECS