

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **MASTERTOP P 679**  
Other name: Formerly Conipur 79  
Manufacturer's product code: 2070400010001\_  
Recommended use: Moisture cured one-component solvent containing polyurethane adhesive primer.

Company: BASF Construction Chemicals Australia Pty Ltd.  
ABN: 46 000 450 288  
Address: 11 Stanton Road,  
Seven Hills, NSW, 2147  
Australia  
Telephone number: +61 2 8811 4200  
Facsimile: +61 2 8811 3299

Company: BASF Construction Chemicals New Zealand Ltd.  
Address: 45 William Pickering Drive,  
Albany, Auckland,  
New Zealand  
Telephone number: +64 9 414 7233  
Facsimile: +64 9 414 7244  
Emergency telephone number: 0417 658 263

## 2. HAZARDS IDENTIFICATION

Hazard classification: Hazardous according to criteria of Worksafe Australia  
Hazard designation: Xn; Harmful  
Xi; Irritant  
N; Dangerous for the environment  
Risk phrase(s): R10, R42/43, R20/21, R36/37/38  
Safety phrase(s): S2, S35, S51, S36/37, S46, S64, S63, S45, S26

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### INGREDIENTS

Chemical Name	CAS Number	Proportion
Xylene	1330-27-7	25 - 50%
Mixtures of: Diphenylmethane-4, 4'-diisocyanate, Diphenylmethane-2, 4'-diisocyanate and Diphenylmethane-2, 2'-diisocyanate	9016-87-9	10 -< 30%

## 4. FIRST AID MEASURES

Inhalation: Take the casualty into the fresh air and keep warm. Keep at rest. If irregular or no breathing, administer artificial respiration. If casualty is unconscious lie down in lateral position and call a physician.

Skin: Immediately remove all contaminated clothing. Flush contacted area thoroughly with soap and plenty of water. Do NOT use solvents or thinners.

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Eyes: Remove contact lenses and keep eyelids open. Flush with plenty of water for 10 to 15 minutes. Call a physician.  
Ingestion: Contact a doctor immediately. Keep at rest. Do NOT induce vomiting.

### 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Alcohol resistant foam, CO<sub>2</sub>, powders, water spray.  
Unsuitable extinguishing media: Water jet  
Hazards from combustion products: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. During fires carbon monoxide, nitrogen oxide, isocyanate vapour and traces of hydrogen cyanide may be given off.  
Precautions and equipment for fire fighters: Appropriate breathing apparatus may be required.  
Hazchem code: 3Y  
Additional information: Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

### 6. ACCIDENTAL RELEASE MEASURES

Precautions for clean up crew: Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Refer to protective measures listed in section 7 and 8.  
Environmental precautions: Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.  
Methods for cleaning up/collecting: Contain and collect spillage with non-combustible absorbent materials, eg. sand, earth, vermiculite, diatomaceous earth and place container for disposal according to local regulations (see section 13). Subsequently put in the waste container. Do not seal (CO<sub>2</sub> may be given off).

### 7. HANDLING AND STORAGE

Information for safe handling: Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Provide for fresh air ventilation. Do not inhale the vapour. Avoid contact with skin and eyes. Do not eat or drink during work – no smoking. Comply with the health and safety at work laws.

Conditions for safe storage

Location: Store in a cool, dry, well-ventilated area. Keep away from ignition sources – no smoking.  
Temperature conditions: 5 to 35°C.  
Protection from weather: Store undercover and away from direct sunlight, heat and moisture.  
Storage incompatibilities: Keep away from strong oxidising agents, acids and alkalis.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: Components with critical values that require monitoring at the workplace  
Xylene; CAS No.: 1330-20-7

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Specification:	TRGS 900 – maximum limit in the atmosphere at the workplace (D)
Value:	100ppm / 440mg/m <sup>3</sup>
Category:	4
Remarks:	H
Version Date:	01-09-2003
Specification:	TRGS 903 – biological workplace tolerance values (D)
Parameter:	Xylene / whole blood / end of exposure or shift
Value:	1.5mg/L
Version Date:	01-05-2002
Specification:	TRGS 903 – biological workplace tolerance values (D)
Parameter:	Methyl hippuric acid / urine / end of exposure or shift
Value:	2g/L
Version Date:	01-05-2002
Specification:	Short term exposure limit (EC)
Value:	100ppm / 442mg/m <sup>3</sup>
Remarks:	H
Version Date:	08-06-2000
Specification:	Threshold limit value (EC)
Value:	50ppm / 221mg/m <sup>3</sup>
Remarks:	H
Version Date:	08-06-2000

### 4,4'-Methylenediphenyl diisocyanate; CAS No.: 101-68-8

Specification:	TRGS 900 – maximum limit in the atmosphere at the workplace (D)
Value:	0.05mg/m <sup>3</sup>
Category:	=1=
Version Date:	01-09-2003
Specification:	TRGS 903 – biological workplace tolerance values (D)
Parameter:	4,4'-Diaminodiphenylmethane / urine / end of exposure or shift
Value:	10µg/g Kreatinin
Version Date:	01-05-2002

Engineering controls:	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of vapours or particles below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn. Allergics and persons who have problems with the respiration tract are not recommended to work with this product.
Respirator type:	By spraying - use air fed respirator. By other operations than spraying: in well-ventilated areas, air fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.
Glove type:	Butyl rubber, PVC or nitrile rubber gloves
Eye protection:	Safety glasses
Clothing:	Light protective clothing
Other:	Use barrier creams to protect skin from contact with the material. Wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless liquid with solvent like odour.
Boiling point (°C):	Not available
Melting point (°C):	Not available
Vapour pressure @50°C:	ca. 30hPa
Specific gravity @20°C:	1 g/cm <sup>3</sup>
Flash point (°C):	27 DIN 53213
Viscosity @23°C:	80 mPa.s
Flammability limits:	UEL - not available LEL – not available
Solvent-separation test (@20°C):	< 3%

### 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal storage and application temperatures.
Materials to avoid:	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Exothermic reaction with amines and alcohols. In contact with water (moisture) CO <sub>2</sub> is formed which leads to an excess pressure in closed containers.
Hazardous decomposition products:	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

### 11. TOXICOLOGICAL INFORMATION

#### Experience in practice

Based on the properties of the isocyanate components and considering toxicological data on similar preparations, this preparation may cause acute irritation and/or sensitisation of the respiratory system leading to an asthmatic condition, wheeziness and tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL (Occupational Exposure Limit). Repeated exposure may lead to permanent respiratory disability. Delayed reaction possible (breathing problems, coughs, asthma).

Inhalation/eye contact:	In high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss coordination possible. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea.
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### 12. ECOLOGICAL INFORMATION

<b>Ecology:</b>	Product is converted in connection with water in a solid, insoluble and inert polyurea, liberating CO <sub>2</sub> . Do not empty into waters or drains.
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### 13. DISPOSAL CONSIDERATIONS

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

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Recommendation: Observe all Federal, State and Local regulations. Pass on to an appropriate incinerating plant or depository or recycling. Residue can be made harmless by reacting with a mixture of isopropanol, ammonia and water. Reaction promoted by detergents and water-soluble solvent.

### 14. TRANSPORT INFORMATION

UN number: 1866  
Dangerous goods class: 3  
Subsidiary risk: None allocated  
EPG card: 14  
Shipping name: RESIN SOLUTION  
Poisons schedule: 5  
Hazchem code: 3Y  
Packaging Group: III

### 15. REGULATORY INFORMATION

Risk phrase(s): R 10 - Flammable.  
R 42/43 - May cause sensitisation by inhalation and skin contact  
R 20/21 - Harmful by inhalation and in contact with skin  
R 36/37/38 - Irritating to eyes, respiratory system and skin

Safety phrase(s): S 2 - Keep out of reach of children.  
S 35 - This material and its container must be disposed of in a safe way.  
S 51 - Use only in well ventilated areas.  
S 36/37 - Wear suitable protective clothing and gloves.  
S 46 - If swallowed, seek medical advice immediately and show this container or label.  
S 64 - If swallowed, rinse mouth with water (only if the person is conscious).  
S 63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest.  
S 45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### 16. OTHER INFORMATION

Reason for Issue: Change of company name. Change of product name.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.