

# SAFETY DATA SHEET



## MasterSeal P 692

Version 1.0      Revision Date: 08.03.2023      SDS Number: 000000716139      Date of last issue: -  
Date of first issue: 08.03.2023

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MasterSeal P 692  
Product code : 000000000050461573

#### Manufacturer or supplier's details

Company : MB Solutions Australia Pty Ltd  
Address : 11 Stanton Road, Seven Hills  
NSW 2147  
Telephone : +611300227300  
Emergency telephone : ChemTel: +1-813-248-0585; Australia: 1-300-954-583

#### Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals  
Restrictions on use : Reserved for industrial and professional use.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Aspiration hazard : Category 1  
Acute toxicity (inhalation (vapor)) : Category 4  
Skin corrosion/irritation : Category 2  
Serious eye damage/eye irritation : Category 2A  
Respiratory sensitization : Category 1  
Skin sensitization : Category 1  
Carcinogenicity : Category 2  
Specific target organ toxicity - single exposure : Category 3  
Specific target organ toxicity - repeated exposure : Category 2


#### GHS label elements

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- Hazard pictograms : 
- Signal Word : Danger
- Hazard Statements : H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H335 May cause respiratory irritation.  
H351 Suspected of causing cancer.
- Precautionary Statements : **Prevention:**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P271 Use only outdoors or in a well-ventilated area.  
P260 Do not breathe dusts or mists.  
P201 Obtain special instructions before use.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P202 Do not handle until all safety precautions have been read and understood.  
P284 In case of inadequate ventilation wear respiratory protection.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P264 Wash face, hands and any exposed skin thoroughly after handling.
- Response:**  
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.
- Storage:**  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.
- Disposal:**  
P501 Dispose of contents/container to appropriate hazardous waste collection point.

### Other hazards which do not result in classification

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Diphenylmethane-4,4'-diisocyanate (MDI)	101-68-8	>= 25 -< 50
Solvent naphtha (petroleum), heavy arom.	64742-94-5	>= 25 -< 50

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### SECTION 4. FIRST AID MEASURES

- General advice : First aid personnel should pay attention to their own safety. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.
- If inhaled : Remove to fresh air immediately. Get medical attention immediately. If breathing difficulties develop, aid in breathing and seek immediate medical attention.
- In case of skin contact : Take off all contaminated clothing immediately. After contact with skin, wash immediately with a polyethylene glycol solution, followed by plenty of water. or Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
- If swallowed : Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. If accidentally swallowed obtain immediate medical attention.
- Most important symptoms and effects, both acute and delayed : May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.
- Notes to physician : Treat symptomatically.
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### SECTION 5. FIRE-FIGHTING MEASURES

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- Suitable extinguishing media : Foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)  
Water spray in large fire situations
- Unsuitable extinguishing media : water jet
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.  
harmful vapours  
isocyanate  
hydrogen cyanide
- Specific extinguishing methods : The degree of risk is governed by the burning substance and the fire conditions.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and chemical-protective clothing.
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.  
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
Use breathing apparatus if exposed to vapours/dust/aerosol.  
Wear eye/face protection.  
Use personal protective clothing.  
Handle in accordance with good building materials hygiene and safety practice.  
Information regarding personal protective measures, see section 8.
- Environmental precautions : Contain contaminated water/firefighting water.  
Do not discharge into drains/surface waters/groundwater.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Neutralize with a solution of 5 - 10 % Sodium carbonate, 0,2 - 2 % detergents and 90 - 95 % water.  
Dike spillage.  
Dispose of absorbed material in accordance with regulations.
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### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Product is not explosive.
- Advice on safe handling : Ensure thorough ventilation of stores and work areas.  
Avoid aerosol formation.

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Avoid contact with the skin, eyes and clothing.  
 Avoid inhalation of dusts/mists/vapours.  
 When handling heated product, vapours of the product should be ventilated, and respiratory protection used.  
 Wear respiratory protection when spraying.  
 Clean up contamination as soon as they occur.  
 Provide basic employee training to prevent/minimize exposures.  
 Products freshly manufactured from isocyanates can contain incompletely reacted isocyanates and other dangerous substances.  
 Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

- Hygiene measures : When using, do not eat, drink or smoke.  
 Take off immediately all contaminated clothing.  
 Hands and/or face should be washed before breaks and at the end of the shift.  
 At the end of the shift the skin should be cleaned and skin-care agents applied.  
 Gloves must be inspected regularly and prior to each use.  
 Replace if necessary (e.g. pinhole leaks).
- Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.  
 Protect from direct sunlight.  
 Protect against moisture.  
 Formation of CO<sub>2</sub> and build up of pressure possible.  
 Danger of bursting when sealed gastight.
- Materials to avoid : Observe TRGS 509/510 storage rules.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Diphenylmethane-4,4'-diisocyanate (MDI)	101-68-8	TWA	0,02 mg/m <sup>3</sup> (NCO)	AU OEL
	Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser			
		STEL	0,07 mg/m <sup>3</sup> (NCO)	AU OEL
	Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser			
		TWA	0,005 ppm	ACGIH

**Engineering measures** : Ensure adequate ventilation.

**Personal protective equipment**

Respiratory protection : Respiratory protection in case of vapour/aerosol release.

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Combination filter for gases/vapours of organic compounds and solid and liquid particles (f.e. EN 14387 Type A-P2)  
 Particle filter with high efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P3 or FFP3).  
 Suitable respiratory protection for higher concentrations or long-term effect:  
 Self-contained breathing apparatus.

Hand protection

Remarks : Chemical resistant protective gloves (EN 374) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): butyl rubber (butyl) - 0.7 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness chloroprene rubber (CR) - 0.5 mm coating thickness Unsuitable materials polyvinylchloride (PVC) - 0.7 mm coating thickness Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection : Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Skin and body protection : Body protection must be chosen based on level of activity and exposure.

Protective measures : Do not inhale dust/fumes/aerosols.  
 With products freshly manufactured from isocyanates body protection and chemical resistant protective gloves is recommended.  
 Avoid contact with the skin, eyes and clothing.  
 Avoid exposure - obtain special instructions before use.  
 Wearing of closed work clothing is recommended.  
 Handle in accordance with good building materials hygiene and safety practice.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Color : amber

Odor : No data available

Odor Threshold : not determined

pH : No data available

Melting point/freezing point : No data available

Boiling point : No data available

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Flash point : not available

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Flammability (liquids) : No data available

Self-ignition : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Relative density : No data available

Density : 1,00 - 1,02 g/cm<sup>3</sup> (20 °C)

Bulk density : (20 °C)  
No data available

Solubility(ies)

    Water solubility : No data available

    Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : not applicable for mixtures

Autoignition temperature : not determined

Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.

Viscosity

    Viscosity, dynamic : No data available

    Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : not determined

Metal corrosion rate : No data available.

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**SECTION 10. STABILITY AND REACTIVITY**

- Reactivity : No hazardous reactions if stored and handled as prescribed/indicated.  
Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.
  
- Chemical stability : The product is stable if stored and handled as prescribed/indicated.
  
- Possibility of hazardous reactions : Reacts with water to form carbon dioxide and heat  
Risk of bursting.  
Reacts with alcohols.  
Reacts with acids.  
Reacts with alkalis.  
Reacts with amines.  
Risk of exothermic reaction.  
Polymerization can occur.
  
- Conditions to avoid : Avoid moisture.  
See SDS section 7 - Handling and storage.
  
- Incompatible materials : Acids  
Alcohols  
Amines  
Ammonia  
Water  
Alkalines  
Strong oxidizing agents  
Strong reducing agents
  
- Hazardous decomposition products : No hazardous decomposition products if stored and handled as prescribed/indicated.  
In case of fire hazardous decomposition products may be produced such as:  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Nitrogen oxides (NO<sub>x</sub>)  
hydrogen cyanide  
Isocyanates

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

Harmful if inhaled.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.



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### **Respiratory or skin sensitization**

#### **Skin sensitization**

May cause an allergic skin reaction.

#### **Respiratory sensitization**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### **Chronic toxicity**

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Suspected of causing cancer.

#### **Product:**

Remarks : Industrial cleaning with aprotic polar solvents (meeting the IUPAC definition) may lead to formation of hazardous primary aromatic amine (>0,1%).

### **Reproductive toxicity**

Not classified based on available information.

#### **STOT-single exposure**

May cause respiratory irritation.

#### **STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

#### **Aspiration toxicity**

May be fatal if swallowed and enters airways.

### **Further information**

#### **Product:**

Remarks : The product has not been tested. The statement has been derived from the properties of the individual components.

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## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Product:**

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### **Persistence and degradability**

#### **Product:**

Biodegradability : Remarks: Taking into consideration the properties of several

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ingredients, the product is estimated not to be readily biodegradable according to OECD classification.

### Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available.  
Discharge into the environment must be avoided.

### Mobility in soil

**Product:**

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

Stability in soil : Remarks: No data available

### Other adverse effects

**Product:**

Additional ecological information : Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

**UNRTDG**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable

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**IATA-DGR**

UN/ID No.	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
Packing instruction (cargo aircraft)	: Not applicable
Packing instruction (passenger aircraft)	: Not applicable

**IMDG-Code**

UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
EmS Code	: Not applicable
Marine pollutant	: Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation****ASIA\_ROAD**

UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
Hazchem Code	: Not applicable

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**SECTION 15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

**The ingredients of this product are reported in the following inventories:**

AllC	: On the inventory, or in compliance with the inventory
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**SECTION 16. OTHER INFORMATION**

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Date format	: dd.mm.yyyy
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**Full text of other abbreviations**

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
AU OEL	:	Australia. Workplace Exposure Standards for Airborne Contaminants.
ACGIH / TWA	:	8-hour, time-weighted average
AU OEL / TWA	:	Exposure standard - time weighted average
AU OEL / STEL	:	Exposure standard - short term exposure limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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