

SAFETY DATA SHEET



MasterRoc MP 367 Foam PART B

Version 1.0 Revision Date: 25.01.2023 SDS Number: 000000256201 Date of last issue: -
Date of first issue: 25.01.2023

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MasterRoc MP 367 Foam PART B

Product code : 000000000053541914

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.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Inhalation - vapour) : Category 4

Skin irritation : Category 2

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 (Inhalation) : 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. H373 May cause damage to organs through prolonged or repeated exposure. H335 May cause respiratory irritation. H351 Suspected of causing cancer.
Precautionary Statements	:	<p>Prevention:</p> 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. <p>Response:</p> P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor. <p>Storage:</p> P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. <p>Disposal:</p> 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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

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Chemical nature : Blend based on:
isocyanate

Components

Chemical name	CAS-No.	Concentration (% w/w)
Isocyanic acid, polymethylenepolyphenylene ester (P-MDI)	9016-87-9	>= 25 -< 50
Diphenylmethane-4,4'-diisocyanate (MDI)	101-68-8	>= 25 -< 50
tris(2-chloro-1-methylethyl)phosphate	13674-84-5	>= 5 -< 7
triethyl phosphate	78-40-0	>= 3 -< 5
diphenylmethane-2,4'-diisocyanate	5873-54-1	>= 1 -< 3

SECTION 4. FIRST AID MEASURES

General advice : First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

If inhaled : Keep patient calm, remove to fresh air. If symptoms persist, seek medical advice.

In case of skin contact : After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

In case of eye contact : Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Most important symptoms and effects, both acute and delayed : None known.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Foam
Water spray
Dry powder
Carbon dioxide (CO₂)

Unsuitable extinguishing media : water jet

Hazardous combustion products : fumes/smoke
harmful vapours

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Carbon oxides
nitrogen oxides
carbon black

- Specific extinguishing methods : The degree of risk is governed by the burning substance and the fire conditions.
If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.
- Special protective equipment for fire-fighters : Wear a self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
Wear eye/face protection.
Use personal protective clothing.
Handle in accordance with good building materials hygiene and safety practice.
- Environmental precautions : Contain contaminated water/firefighting water.
Do not discharge into drains/surface waters/groundwater.
- Methods and materials for containment and cleaning up : Pick up with suitable appliance and dispose of.
Dispose of absorbed material in accordance with regulations.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapors/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Hygiene measures : When using, do not eat, drink or smoke.
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-

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care agents applied.
 Gloves must be inspected regularly and prior to each use.
 Replace if necessary (e.g. pinhole leaks).

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
 Observe label precautions.
 Electrical installations / working materials must comply with the technological safety standards.

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.

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		
Isocyanic acid, polymethylenepolyphenylene ester (P-MDI)	9016-87-9	TWA	0,02 mg/m ³ (NCO)	AU OEL		
		Further information: Sensitiser				
		STEL	0,07 mg/m ³ (NCO)	AU OEL		
		Further information: Sensitiser				
		TWA	0,02 mg/m ³ (NCO)	AU OEL		
		Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser				
		STEL	0,07 mg/m ³ (NCO)	AU OEL		
		Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser				
		Diphenylmethane-4,4'-diisocyanate (MDI)	101-68-8	TWA	0,02 mg/m ³ (NCO)	AU OEL
		Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser				
		STEL	0,07 mg/m ³ (NCO)	AU OEL		
		Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser				
		TWA	0,005 ppm	ACGIH		
		diphenylmethane-2,4'-diisocyanate	5873-54-1	TWA	0,02 mg/m ³ (NCO)	AU OEL
		Further information: Sensitiser				
		STEL	0,07 mg/m ³ (NCO)	AU OEL		
		Further information: Sensitiser				

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		TWA	0,02 mg/m3 (NCO)	AU OEL
	Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser			
		STEL	0,07 mg/m3 (NCO)	AU OEL
	Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser			

Personal protective equipment

- Respiratory protection : Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

- Hand protection

 - Remarks : impermeable gloves Synthetic rubber gloves 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.
Avoid contact with the skin, eyes and clothing.
Avoid exposure.
Handle in accordance with good building materials hygiene and safety practice.
Wearing of closed work clothing is recommended.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid

- Color : dark brown

- Odor : characteristic

- Odor Threshold : not determined

- pH : substance/mixture reacts with water

- Melting point/freezing point : No data available

- boiling temperature : 330 °C
(1.013 hPa)

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Flash point	:	> 200 °C	
			Method: Flashpoint test using closed cup, determination of flashpoint.
Evaporation rate	:	not determined	
Flammability (liquids)	:	Not classified as a flammability hazard	Method: derived from flash point
Upper explosion limit / Upper flammability limit	:	No data available	
Lower explosion limit / Lower flammability limit	:	dropped	
Vapor pressure	:	< 0,01 hPa (25 °C)	
Relative vapor density	:	8,5 (20 °C)	not determined
Relative density	:	1,4 (20 °C)	
Density	:	approx. 1,25 g/cm ³ (20 °C)	
Bulk density	:	Not applicable	
Solubility(ies)			
Water solubility	:	hydrolyzes	
Solubility in other solvents	:	No data available	
Partition coefficient: n-octanol/water	:	not applicable for mixtures	
Autoignition temperature	:	No data available	
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity			
Viscosity, dynamic	:	170 mPa.s	
Viscosity, kinematic	:	No data available	
Explosive properties	:	Not explosive	
Oxidizing properties	:	Based on its structural properties the product is not classified as oxidizing.	
Metal corrosion rate	:	No corrosive effect on metal.	

SECTION 10. STABILITY AND REACTIVITY

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Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	See SDS section 7 - Handling and storage.
Incompatible materials	:	Strong acids Strong bases Strong oxidizing agents Strong reducing agents
Hazardous decomposition products	:	No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if inhaled.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

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.

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

Not classified based on available information.

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Further information**Product:**

Remarks : Health injuries are not known or expected under normal use.
No data is available on the product itself.
Information given is based on data on the ingredients and the toxicology of similar products.

Components:**Isocyanic acid, polymethylenepolyphenylene ester (P-MDI):**

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

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.

Components:**Isocyanic acid, polymethylenepolyphenylene ester (P-MDI):****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 : Test Type: aerobic
Inoculum: activated sludge
Result: Under test conditions no biodegradation observed.
Biodegradation: < 10 %
Exposure time: 28 d
Method: MITI Test (II), inherent.

Bioaccumulative potential**Components:****Isocyanic acid, polymethylenepolyphenylene ester (P-MDI):**

Bioaccumulation : Remarks: Does not significantly accumulate in organisms.

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Mobility in soil
Components:
Isocyanic acid, polymethylenepolyphenylene ester (P-MDI):

Distribution among environmental compartments : Remarks: Adsorption to solid soil phase is not expected.

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.

Components:
Isocyanic acid, polymethylenepolyphenylene ester (P-MDI):

Results of PBT and vPvB assessment : Remarks: The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Additional ecological information : Do not release untreated into natural waters. Do not allow to enter soil, waterways or waste water channels.

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.

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

IATA-DGR

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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

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.

Prohibition/Licensing Requirements : There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

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

AiIC : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

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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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