

Safety data sheet

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Safety data sheet

Date / Revised: 01.07.2020

Product: **MasterSeal 540 PART A**

Version: 3.0

(30366733/SDS_GEN_SG/EN)

1. Substance/preparation and manufacturer/supplier identification

MasterSeal 540 PART A

Use: Product for construction chemicals

Manufacturer/supplier:

MB Solutions Singapore Pte Ltd
1 Harbourfront Avenue #07-07/08
Keppel Bay Tower
Singapore 098632

Telephone: +65 6232 4899

Emergency telephone : : +1-813-248-0585

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2. Hazard identification

Classification of the substance and mixture:

| Skin sensitization: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:

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| Warning

Hazard Statement:

| May cause an allergic skin reaction.

Precautionary Statements (Prevention):

| Wear protective gloves. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

| IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician. Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

| Dispose of contents/container to hazardous or special 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.**3. Composition/information on ingredients****Chemical nature**

Aqueous solution based on: Polymer

Hazardous ingredients**| Acetamide, 2-chloro-**Content (W/W): $\geq 0\%$ - $< 0.2\%$
CAS Number: 79-07-2Acute Tox.: Cat. 3 (oral)
Eye Dam./Irrit.: Cat. 2A
Skin Sens.: Cat. 1
Repr.: Cat. 2 (fertility)
Aquatic Acute: Cat. 3
Aquatic Chronic: Cat. 3**| n-butyl acrylate**Content (W/W): $\geq 0\%$ - $< 0.2\%$
CAS Number: 141-32-2Flam. Liq.: Cat. 3
Acute Tox.: Cat. 4 (Inhalation - vapour)
Acute Tox.: Cat. 5 (oral)
Acute Tox.: Cat. 5 (dermal)
Skin Corr./Irrit.: Cat. 2
Eye Dam./Irrit.: Cat. 2A
Skin Sens.: Cat. 1B
STOT SE: Cat. 3 (irr. to respiratory syst.)
Aquatic Acute: Cat. 2
Aquatic Chronic: Cat. 3**| mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**

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Content (W/W): $\geq 0\%$ - $< 0.1\%$	Acute Tox.: Cat. 3 (oral)
CAS Number: 55965-84-9	Acute Tox.: Cat. 2 (Inhalation - mist)
	Acute Tox.: Cat. 2 (dermal)
	Skin Corr./Irrit.: Cat. 1B
	Eye Dam./Irrit.: Cat. 1
	Skin Sens.: Cat. 1A
	Aquatic Acute: Cat. 1
	Aquatic Chronic: Cat. 1
	M-factor acute: 10
	M-factor chronic: 1

4. First-Aid Measures

General advice:

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

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On 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.

On contact with eyes:

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

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

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.

6. Accidental Release Measures

Personal precautions:

Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. 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 for cleaning up or taking up:

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

7. Handling and Storage

Handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Storage

Suitable materials for containers: High density polyethylene (HDPE)

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 from temperatures below: 5 °C

The packed product is destroyed at low temperatures or by frost.

Protect from temperatures above: 50 °C

The packed product will be damaged by high temperatures.

8. Exposure controls and personal protection

Components with occupational exposure limits

n-butyl acrylate, 141-32-2;

TWA value 2 ppm (ACGIHTLV)

TWA value 52 mg/m³ ; 10 ppm (OEL (SG))

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Particle filter with high efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P3 or FFP3).

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. 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)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. 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-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form:	liquid
Colour:	milky white
Odour:	characteristic
Odour threshold:	No applicable information available.
pH value:	7.0 - 8.5 approx. 7.5 - 8.5 (20 °C)
Melting temperature:	approx. 0 °C
boiling temperature:	approx. 100 °C
Flash point:	> 100 °C A flash point determination is unnecessary due to the high water content.
Evaporation rate:	not determined

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

Self heating ability: It is not a substance capable of spontaneous heating.

Explosion hazard: not explosive

Vapour pressure: approx. 20 hPa
(approx. 20 °C)

Density: 1.03 g/cm³
(25 °C)
not applicable

Bulk density: not applicable

Relative vapour density (air): not determined

Solubility in water: miscible

Miscibility with water: completely (e.g. >=90%)

Hygroscopy: Non-hygroscopic

Viscosity, dynamic: 50 - 60 mPa.s
No data available.

Viscosity, kinematic: No data available.

Solids content: 42 - 45 %

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

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

Substances to avoid:

| strong acids, strong bases, strong oxidizing agents, strong reducing agents

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

| No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Based on available Data, the classification criteria are not met.

Irritation

Assessment of irritating effects:

No irritation is expected under intended use and appropriate handling. Based on available Data, the classification criteria are not met.

Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No reliable data was available concerning repeated dose toxicity. Based on available Data, the classification criteria are not met.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Based on available Data, the classification criteria are not met. There is a high probability that the product is not acutely harmful to aquatic organisms.

Mobility

Assessment transport between environmental compartments:

No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The polymer component of the product is poorly biodegradable.

Bioaccumulation potential

Assessment bioaccumulation potential:

Discharge into the environment must be avoided.

Additional information

Other ecotoxicological advice:

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.

13. Disposal Considerations

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.

14. Transport Information

Domestic transport:

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Other regulations

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

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.