

# SAFETY DATA SHEET

## MasterPozzolith 450

Version 1.1      Revision Date: 15.04.2026      SDS Number: 000000461116      Date of last issue: 25.01.2023  
Date of first issue: 25.01.2023

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### Section 1: Identification

Product name : MasterPozzolith 450  
Product code : 00000000050145338

#### Manufacturer or supplier's details

Company : MB Solutions New Zealand Ltd  
Address : 45C William Pickering Drive, Albany, Auckland  
NEW ZEALAND  
Telephone : +64 9414 7233  
Emergency telephone number : ChemTel: +1-813-248-0585; New Zealand: 0800 001 607

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

Recommended use : Product for construction chemicals


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### Section 2: Hazard identification

#### GHS Classification

Serious eye damage/eye irritation : Category 1  
Skin sensitisation : Category 1  
Hazardous to the aquatic environment - chronic hazard : Category 3

#### GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P261 Avoid breathing mist or vapours.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.

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**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**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

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
2,2',2'',2'''-ethylenedinitrilotetraethanol	140-07-8	>= 3 -< 10
2-octyl-4-isothiazol-3-ones	26530-20-1	>= 0.0025 -< 0.025

**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 : May cause an allergic skin reaction. Causes serious eye damage.

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Notes to physician : Treat symptomatically.

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### Section 5: Fire-fighting measures

Suitable extinguishing media : Foam  
Water spray  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : water jet

Hazardous combustion products : fumes/smoke  
harmful vapours  
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 firefighters : Wear a self-contained breathing apparatus.

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### Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures : Avoid breathing dust/ fume/ gas/ mist/ vapours/ 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.

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### Section 7: Handling and storage

Advice on protection against : The product is neither self-ignitable, nor an explosion hazard,

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fire and explosion	:	nor does it promote fires.
Advice on safe handling	:	Avoid inhalation of dusts/mists/vapours. Avoid skin contact. Ensure adequate ventilation. No special measures necessary provided product is used correctly.
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-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.
Recommended storage temperature	:	5.00 - 50.00 °C

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**Section 8: Exposure controls/personal protection****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**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	:	The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. 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 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 ISO 16321)
Skin and body protection	:	Body protection must be chosen based on level of activity

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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.

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### Section 9: Physical and chemical properties

Appearance	: liquid
Colour	: dark brown
Odour	: ether-like
Odour Threshold	: not determined
pH	: 6.4 - 8.4 (23 °C)
Melting point/ range	: not determined
Boiling point/boiling range	: No data available
Flash point	: does not flash
Evaporation rate	: No data available
Self-ignition	: not self-igniting
Relative vapour density	: No data available
Relative density	: No data available
Density	: approx. 1.1660 g/cm <sup>3</sup> (23.00 °C)
Solubility(ies)	
Water solubility	: soluble (20.00 °C)
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: not applicable for mixtures
Auto-ignition temperature	: No data available
Decomposition temperature	: No decomposition if stored and handled as prescribed/indicated.

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Viscosity  
Viscosity, dynamic : approx. 10.000 - 200.000 mPa.s ( 23.00 °C)  
Viscosity, kinematic : No data available  
Explosive properties : Not explosive  
Oxidizing properties : not fire-propagating

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**Section 10: Stability and reactivity**

Reactivity : No hazardous reactions if stored and handled as prescribed/indicated.  
Chemical stability : The product is stable if stored and handled as prescribed/indicated.  
Possibility of hazardous reactions : The product is stable if stored and handled as prescribed/indicated.  
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.

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**Section 11: Toxicological information****Acute toxicity**

Not classified due to lack of data.

**Product:**

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

**Skin corrosion/irritation**

Not classified due to lack of data.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation****Skin sensitisation**

May cause an allergic skin reaction.

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### Respiratory sensitisation

Not classified due to lack of data.

### Chronic toxicity

#### Germ cell mutagenicity

Not classified due to lack of data.

#### Carcinogenicity

Not classified due to lack of data.

#### Reproductive toxicity

Not classified due to lack of data.

#### STOT - single exposure

Not classified due to lack of data.

#### STOT - repeated exposure

Not classified due to lack of data.

#### Aspiration toxicity

Not classified due to lack of data.

### 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 components and the toxicology of similar products.

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## Section 12: Ecological information

### Ecotoxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

#### Components:

#### 2-octyl-4-isothiazol-3-ones:

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 100

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### Persistence and degradability

#### Product:

Biodegradability : Remarks: Taking into consideration the properties of several components, 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

No data available

### Other adverse effects

#### Product:

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 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

Not regulated as a dangerous good

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable

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Packing group : Not applicable  
Labels : Not applicable  
Environmentally hazardous : no

### IATA-DGR

Not regulated as a dangerous good  
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

Not regulated as a dangerous good  
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.

### National Regulations

#### Special precautions for user

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.

#### HSNO Approval Number

HSR002544 Construction Products Subsidiary Hazard Group Standard 2017

#### Tolerable Exposure Limits (TEL)

Not applicable

#### Environmental Exposure Limits (EEL)

Not applicable

#### HSW Controls

Certified handler certificate not required.  
Tracking hazardous substance not required.

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Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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

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

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### Section 16: Other information

Revision Date : 15.04.2026

Date format : dd.mm.yyyy

#### Full text of other abbreviations

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 Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; 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 - Organisation 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

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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.

NZ / EN