

MasterCast 602

Version 1.0 Revision Date: 25.03.2026 SDS Number: 000000342851 Date of last issue: -
Date of first issue: 25.03.2026

Section 1: Identification

Product name : MasterCast 602
Product code : 00000000050915923

Manufacturer or supplier's details

Company : MB Solutions New Zealand Pty 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

Section 2: Hazard identification**GHS Classification**

Serious eye damage/eye irritation : Category 1

Hazardous to the aquatic environment - chronic hazard : Category 3

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.

Response:

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.

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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

Chemical nature : Polymer
sulphonated and sulphated
surfactants

Components

Chemical name	CAS-No.	Concentration (% w/w)
alpha-[(1,1,3,3-Tetramethylbutyl)phenyl]-omega-hydroxypoly(oxy-1,2-ethanediyl)	9036-19-5	>= 3 -< 10
benzene sulphonic acid, C10-13 alkyl derivatives, sodium salts	68411-30-3	>= 1 -< 2.5
sodium nitrite	7632-00-0	>= 0.1 -< 0.25
copper sulphate pentahydrate	7758-99-8	>= 0.025 -< 0.1

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 : Causes serious eye damage.

Section 5: Fire-fighting measures

Suitable extinguishing media : Foam

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Water spray
 Dry powder
 Carbon dioxide (CO₂)

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.

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 inert absorbent material (e.g. sand, earth etc.).
 Dispose of contaminated material as prescribed.

Section 7: Handling and storage

Advice on protection against fire and explosion : The product is not an oxidizer, not self-combustible and not explosive.

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.

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- 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 - 45 °C

Section 8: Exposure controls/personal protection

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
copper sulphate pentahydrate	7758-99-8	TWA value (fumes/smoke)	0.200000 mg/m3 (copper (Cu))	ACGIHTLV
		TWA value (Dust and mist)	1.000000 mg/m3 (copper (Cu))	ACGIHTLV

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 166)

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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

Colour : blue, green

Odour : characteristic

Odour Threshold : not determined

pH : 7.00 - 8.00 (23.00 °C)

Melting point/freezing point : No data available

Boiling point/boiling range : > 100.00 °C

Evaporation rate : No data available

Flammability (solid, gas) : not flammable

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : 1.022 g/cm³ (20 °C)

Bulk density : Not applicable

Solubility(ies)
Water solubility : soluble

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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.

Viscosity

 Viscosity, dynamic : Not applicable

 Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : not fire-propagating

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

Metal corrosion rate : No corrosive effect on metal.

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.

Section 11: Toxicological information

Acute toxicity

Not classified due to lack of data.

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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

Not classified due to lack of data.

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 : 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 statement has been derived from the properties of the individual components.

Section 12: Ecological information

Ecotoxicity

Product:

Ecotoxicology Assessment

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

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

Components:

copper sulphate pentahydrate:

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

Persistence and degradability

Product:

Biodegradability : Result: Moderately/partially biodegradable.
Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulative potential

Product:

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

Components:

benzene sulphonic acid, C10-13 alkyl derivatives, sodium salts:

Partition coefficient: n-octanol/water : log Pow: 3.32
Method: other (measured)

copper sulphate pentahydrate:

Partition coefficient: n-octanol/water : Remarks: The value has not been determined because the substance is inorganic.

Mobility in soil

Product:

Distribution among environmental compartments : Remarks: 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.

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Additional ecological information : There is a high probability that the product is not acutely harmful to aquatic organisms.
Do not discharge product into the environment without control.
The product has not been tested. The statement has been derived from the properties of the individual components.

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

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
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

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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

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.

A certified handler is not required for the handling of this substance.
Tracking requirements do not apply to this substance.

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

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

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

Section 16: Other information

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Full text of other abbreviations

ACGIHTLV : American Conference of Governmental Industrial Hygienists - threshold limit values (US)

ACGIHTLV / TWA value : Time Weighted Average (TWA):

AllC - 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

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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 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