

SAFETY DATA SHEET



MasterRoc MP 231 CLN

Version 2.0 Revision Date: 08/15/2023 SDS Number: 000000562057 Date of last issue: 07/28/2023
Date of first issue: 01/10/2023

SECTION 1. IDENTIFICATION

Product name : MasterRoc MP 231 CLN
Product code : 000000000050001819 000000000050001819
Other means of identification : MRoc MP 231 CLN

Manufacturer or supplier's details

Company name of supplier : Master Builders-Admixtures US,LLC
Address : 23700 Chagrin Blvd
Beachwood OH 44122
Emergency telephone : ChemTel: +1-813-248-0585
National Emergency Tele-
phone Number : USA: +1-800-255-3924 ChemTel contract no. MIS9240420

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 in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

GHS label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Phthalate esters

Components

Chemical name	CAS-No.	Concentration (% w/w)
bis(2-ethylhexyl) terephthalate	6422-86-2	99 - 100

Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut off value.

SECTION 4. FIRST AID MEASURES

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| General advice | : | Immediately remove contaminated clothing. |
| If inhaled | : | Keep patient calm, remove to fresh air.
If breathing difficulties develop, aid in breathing and seek immediate medical attention. |
| In case of skin contact | : | Wash affected areas thoroughly with soap and water.
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.
If irritation develops, seek medical attention. |
| 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 | : | No symptoms known or expected. |
| Notes to physician | : | Treat symptomatically. |
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SECTION 5. FIRE-FIGHTING MEASURES

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| Suitable extinguishing media | : | Carbon dioxide (CO ₂)
Dry powder
Water spray
Foam |
| Unsuitable extinguishing media | : | water jet |
| Specific hazards during fire fighting | : | The product is combustible.
Cool endangered containers with water-spray. |
| Hazardous combustion products | : | harmful vapours
nitrogen oxides
fumes/smoke
carbon black |
| 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. |
| Special protective equipment for fire-fighters | : | Wear a self-contained breathing apparatus. |

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SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | : | Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
Wear eye/face protection.
Wear suitable protective clothing.
Handle in accordance with good industrial 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

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| Advice on protection against fire and explosion | : | Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Avoid all sources of ignition: heat, sparks, open flame. |
| Advice on safe handling | : | Ensure thorough ventilation of stores and work areas.
Avoid inhalation of dusts/mists/vapours.
Avoid skin contact.
Handle in accordance with good industrial hygiene and safety practice. |
| Further information on storage conditions | : | Keep container tightly closed and dry; store in a cool place. |
| Materials to avoid | : | Segregate from strong oxidizing agents. |

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

Contains no substances with occupational exposure limit values.

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| Engineering measures | : | Provide local exhaust ventilation to control vapours/mists. |
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Personal protective equipment

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| Respiratory protection | : | Wear respiratory protection if ventilation is inadequate.
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed. |
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Hand protection

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| Remarks | : | Chemical resistant protective gloves. Manufacturer's directions for use should be observed because of great diversity of types. |
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| Eye protection | : | Safety glasses with side-shields.
Wear face shield if splashing hazard exists. |
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- Skin and body protection : Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.
- Protective measures : Do not inhale dust/fumes/aerosols.
Avoid contact with the skin, eyes and clothing.
Handle in accordance with good building materials hygiene and safety practice.
Wearing of closed work clothing is recommended.
- 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).
When using do not eat or drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : colorless
- Odor : faint odour
- Odor Threshold : not determined
- pH : Not applicable
- Freezing point : < -89.0 °F / < -67.2 °C
- Boiling point/boiling range : 707 °F / 375 °C
(1013.250 hPa)
- Flash point : 414 °F / 212 °C

Method: Standard Method of Test for Flash Point by Setaflash Closed Tester
- Evaporation rate : No data available
- Flammability (liquids) : hardly combustible
Method: derived from flash point
- Self-ignition : not self-igniting
- Upper explosion limit / Upper flammability limit : No data available

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Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	negligible
Relative vapor density	:	No data available
Relative density	:	0.98 (68 °F / 20 °C)
Density	:	0.98 g/cm3 (68 °F / 20 °C)
Solubility(ies)		
Water solubility	:	practically insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	729 °F / 387 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, dynamic	:	65.8 mPa.s (77 °F / 25 °C)
Viscosity, kinematic	:	No data available
Explosive properties	:	Based on the chemical structure there is no indication of explosive properties.
Oxidizing properties	:	Based on its structural properties the product is not classified as oxidizing.
Sublimation point	:	No data available
Molecular weight	:	390.56 g/mol
Metal corrosion rate	:	Corrosive effects to metal are not anticipated.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions	:	The product is chemically stable.

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Conditions to avoid	:	Avoid extreme temperatures.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish	:	LC50 (trout, rainbow): > 0.25 mg/l Exposure time: 7 d Test Type: Flow through. Method: other GLP: yes Remarks: No toxic effects occur within the range of solubility.
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- LC50 (Fathead minnow): > 984 mg/l
Exposure time: 96 h
Test Type: static
Method: Fish, Acute Toxicity Test
GLP: no
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): , > 1.4 ug/L
Exposure time: 48 h
Test Type: static
Method: Daphnia sp., Acute Immobilisation Test.
GLP: yes
Remarks: No toxic effects occur within the range of solubility.
- EC50 (mussel): , > 624 ug/L
Exposure time: 96 h
Test Type: Flow through.
Method: other
GLP: yes
- Toxicity to algae/aquatic plants : EC50 (green algae): > 0.86 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static
Method: Algae, Growth Inhibition Test
GLP: yes
- Toxicity to fish (Chronic toxicity) : No observed effect concentration (Rainbow trout): > 0.28 mg/l
Exposure time: 60 d
Test Type: Flow through.
Method: other
GLP: yes
Remarks: No toxic effects occur within the range of solubility.
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No observed effect concentration (Daphnia magna): > 0.76 mg/l
Exposure time: 21 d
Test Type: Flow through.
Method: Daphnia magna, Reproduction Test.
GLP: yes
Remarks: No toxic effects occur within the range of solubility.
- Toxicity to microorganisms : EC50 (activated sludge of a predominantly domestic sewage): 10 mg/l
Exposure time: 3 h
Test Type: aquatic
Method: Activated Sludge, Respiration Inhibition Test.
GLP: yes
Remarks: No toxic effects occur within the range of solubility.
- Plant toxicity : EC50: > 1400-1500 ug/L
Exposure time: 14 d
End point: Growth
Method: other
GLP: yes

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Ecotoxicology Assessment

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

Persistence and degradability**Product:**

Biodegradability : Test Type: aerobic
Inoculum: activated sludge, domestic, non-adapted
Concentration: 10 mg/l
Result: Readily biodegradable.
Biodegradation: 73.5 %
Exposure time: 28 d
Method: Production of CO₂
GLP: yes

Photodegradation : Test Type: air
Sensitizer: OH radical
Rate constant: 2.19554E-11 cm³/s
Method: other (calculated)

Bioaccumulative potential**Product:**

Bioaccumulation : Bioconcentration factor (BCF): 393
Exposure time: 38 d
Concentration: 50 ug/l
Elimination: yes
GLP: yes

Mobility in soil

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.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Observe national and local legal requirements.
Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.
The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste.

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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

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

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

TSCA : All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

DSL : All components of this product are on the Canadian DSL

SECTION 16. OTHER INFORMATION

Further information

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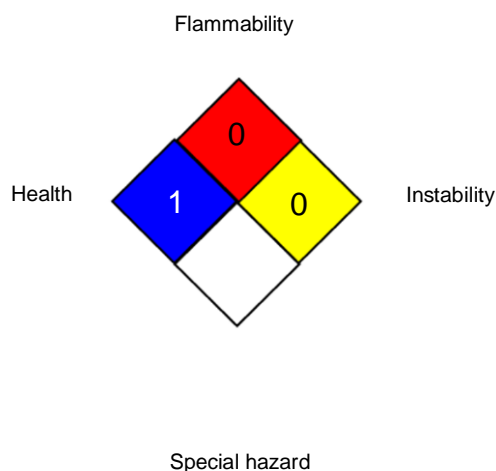
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NFPA 704:



HMIS® IV:

HEALTH		
FLAMMABILITY		
PHYSICAL HAZARD		

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

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