

MasterRoc MF 701

Version 1.0 Revision Date: 04/23/2020 SDS Number: 000000247307 Date of last issue: -
Date of first issue: 04/23/2020

SECTION 1. IDENTIFICATION

Product name : MasterRoc MF 701
Product code : 000000000050150014 000000000050150014

Manufacturer or supplier's details

Company name of supplier : Master Builders Solutions US, LLC
Address : 23700 CHAGRIN BLVD
Beachwood OH 44122
Emergency telephone : ChemTel: +1-813-248-0585 USA: +1-800-255-3924

Recommended use of the chemical and restrictions on use

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200**

Skin corrosion/irritation : 2
Serious eye damage/eye irritation : Category 2A
Skin sensitization : 1B

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

Precautionary Statements : **Prevention:**
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P264 Wash face, hands and any exposed skin thoroughly after handling.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap

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and water.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

Disposal:

P501 Dispose of contents/container to appropriate hazardous waste collection point.

Other hazards

No applicable information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : No data available.

Components

Chemical name	CAS-No.	Concentration (% w/w)
Nitrilotrimethylenetris(phosphonic acid)	6419-19-8	$\geq 0 - < 15$
sodium hydroxide	1310-73-2	$\geq 0 - < 1$
Phosphonic acid	13598-36-2	$\geq 0.1 - < 0.3$
4-chloro-3-methyl phenol	59-50-7	$\geq 0 - < 0.3$

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this material safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

Notes to physician : Treat symptomatically.

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SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Foam
Water spray
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : water jet
- Specific hazards during fire fighting : See SDS section 10 - Stability and reactivity.
- Hazardous combustion products : harmful vapours
nitrogen oxides
fumes/smoke
carbon black
carbon oxides
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Neutralize with chalk, alkali solution or ammonia.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
-

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : 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.
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

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- Conditions for safe storage : used.
Keep container tightly closed in a dry and well-ventilated place.
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 : No applicable information available.

Do not store near acids.
- Further information on storage stability : No decomposition if stored and applied as directed.

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
sodium hydroxide	1310-73-2	CLV	2 mg/m ³	ACGIHTLV
		Ceil_Time	2 mg/m ³	NIOSH
		PEL	2 mg/m ³	29 CFR 1910.1000 (Table Z-1)
		CLV	2 mg/m ³	29 CFR 1910.1000 (Table Z-1-A)

Engineering measures : No applicable information available.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective 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.

Hygiene measures : Wearing of closed work clothing is recommended.

Hygiene measures : When using do not eat or drink.

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When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	light brown
Odor	:	odorless
pH	:	2.1 - 4 (77 °F / 25 °C)
Freezing point	:	27 °F / -3 °C
Melting point	:	27 °F / -3 °C
Boiling point	:	221 °F / 105 °C
Flash point	:	A flash point determination is unnecessary due to the high water content.
Evaporation rate	:	not determined
Upper explosion limit / Upper flammability limit	:	No applicable information available.
Relative vapor density	:	Heavier than air.
Density	:	approx. 1.075 g/cm ³ (68 °F / 20 °C)
Solubility(ies)	:	
Water solubility	:	soluble (68 °F / 20 °C)
Solubility in other solvents	:	No applicable information available.
Partition coefficient: n-octanol/water	:	not applicable
Autoignition temperature	:	Based on the water content the product does not ignite.
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity	:	
Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	No applicable information available.
Explosive properties	:	Not explosive Not explosive
Oxidizing properties	:	not fire-propagating
Sublimation temperature	:	No applicable information available.

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Molecular weight : No data available.

Metal corrosion rate : Corrosive effect on: Mild steel Aluminium The product is not to be labelled as corrosive for transport purposes.

SECTION 10. STABILITY AND REACTIVITY

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 : phosphines
carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Product:

Acute inhalation toxicity : Remarks: No applicable information available.

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks : May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks : May cause irreversible eye damage.

Respiratory or skin sensitization**Skin sensitization**

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Product:

Remarks : Causes sensitization.

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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.

Product:

No aspiration hazard expected.

Further information**Product:**

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

Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**Toxicity to fish : LC0 (trout, rainbow): 5,000 mg/l
Exposure time: 96 hToxicity to daphnia and other : LC0 (Daphnia magna): 400 mg/l
aquatic invertebrates Exposure time: 48 h**Persistence and degradability**

No data available

Bioaccumulative potential**Components:****Nitritotrimethylenetris(phosphonic acid):**Partition coefficient: n- : log Pow: -4.55
octanol/water Method: other (calculated)**sodium hydroxide:**

Partition coefficient: n- : Remarks: Study scientifically not justified.

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octanol/water

Phosphonic acid:

Partition coefficient: n-octanol/water : log Pow: 1.15
Method: other (calculated)

4-chloro-3-methyl phenol:

Partition coefficient: n-octanol/water : log Pow: 2.7 (77 °F / 25 °C)
Method: other (calculated)

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : There is a high probability that the product is not acutely harmful to aquatic organisms.
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 : Dispose of in accordance with national, state and local regulations.
Do not discharge into drains/surface waters/groundwater.
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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

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SECTION 15. REGULATORY INFORMATION

US State Regulations

Pennsylvania Right To Know

sodium hydroxide 1310-73-2

New Jersey Right To Know

sodium hydroxide 1310-73-2

California Prop. 65

WARNING: This product can expose you to chemicals including formaldehyde, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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

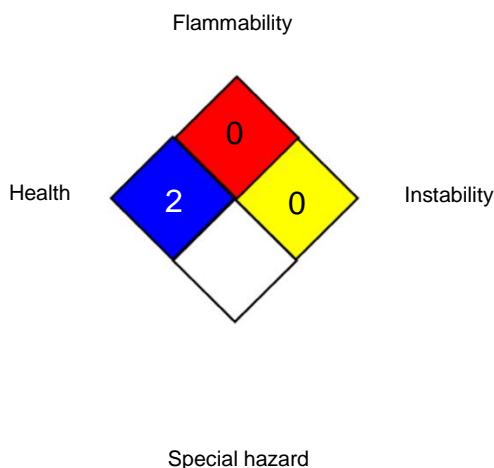
DSL : This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.
 2,2-Dibromo-2-cyanoacetamide

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

SECTION 16. OTHER INFORMATION

Further information

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

29 CFR 1910.1000 (Table Z-1-A) : OSHA - Table Z-1-A (29 CFR 1910.1000)
 29 CFR 1910.1000 (Table Z-1) : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR

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1)	1910.1000	
ACGIHTLV	:	American Conference of Governmental Industrial Hygienists - threshold limit values (US)
NIOSH	:	NIOSH Pocket Guide to Chemical Hazards (US)
29 CFR 1910.1000 (Table Z-1-A) / CLV	:	Ceiling Limit Value:
29 CFR 1910.1000 (Table Z-1) / PEL	:	Permissible exposure limit
ACGIHTLV / CLV	:	Ceiling Limit Value:
NIOSH / Ceil_Time	:	Ceiling Limit Value and Time Period (if specified):

AICS - Australian Inventory of Chemical Substances; 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; 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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our operations on society and the environment during production, storage, transport, use and disposal of our products.

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