

## MasterRoc SA 194

Version 1.0      Revision Date: 06/01/2021      SDS Number: 000000777221      Date of last issue: -  
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**SECTION 1. IDENTIFICATION**

Product name : MasterRoc SA 194  
Product code : 000000000050485474 000000000050485474  
Other means of identification : MRoc SA 194

**Manufacturer or supplier's details**

Company name of supplier : Master Builders Solutions Canada Inc.  
Address : 1800 CLARK BLVD  
Brampton ON L6T 4M7  
Emergency telephone : ChemTel: +1-813-248-0585;

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


Recommended use : Concrete admixture  
Restrictions on use : Reserved for industrial and professional use.  
National Emergency Telephone Number : USA: +1-800-255-3924 ChemTel contract no. MIS9240420

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**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the Hazardous Products Regulations**

Skin irritation : Category 2  
Serious eye damage : Category 1  
Reproductive toxicity : Category 2  
Specific target organ toxicity - repeated exposure : Category 2 (Kidney, Liver, Blood, Central nervous system)

**GHS label elements**

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H361 Suspected of damaging fertility or the unborn child.  
H373 May cause damage to organs (Kidney, Liver, Blood, Central nervous system) through prolonged or repeated exposure.

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## Precautionary Statements

: **Prevention:**

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P264 Wash face, hands and any exposed skin thoroughly after handling.

**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.  
 P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.

**Storage:**

P405 Store locked up.

**Disposal:**

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

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : inorganic compounds  
additives

**Components**

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Aluminium sulphate	Aluminium sulphate	10043-01-3	>= 20 - < 30
aluminium oxide	aluminium oxide	1344-28-1	>= 5 - < 10
2,2'-iminodiethanol	2,2'-iminodiethanol	111-42-2	>= 1 - < 5

Actual concentration is withheld as a trade secret

**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.

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- 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 : Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution and seek medical advice.
- 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 skin irritation.  
Causes serious eye damage.  
Suspected of damaging fertility. Suspected of damaging the unborn child.  
May cause damage to organs through prolonged or repeated exposure.
- 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
- 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.  
 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 : 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 : The product is neither self-ignitable, nor an explosion hazard, 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.
  
- Conditions for safe storage : 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 : Do not store near acids.
  
- Recommended storage temperature : 5 - 35 °C
  
- 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
Aluminium sulphate	10043-01-3	REL value	2 mg/m <sup>3</sup> (aluminum (Al))	NIOSH
		TWA value	2 mg/m <sup>3</sup> (aluminum (Al))	29 CFR 1910.1000

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				(Table Z-1-A)
		TWA	2 mg/m <sup>3</sup> (Aluminum)	CA AB OEL
		TWAEV	2 mg/m <sup>3</sup> (Aluminum)	CA QC OEL
aluminium oxide	1344-28-1	TWA value (Respirable fraction)	1 mg/m <sup>3</sup>	ACGIHTLV
		PEL (Respirable fraction)	5 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1)
		PEL (Total dust)	15 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1)
		TWA value (Respirable fraction)	5 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Total dust)	10 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA	10 mg/m <sup>3</sup>	CA AB OEL
		TWAEV (total dust)	10 mg/m <sup>3</sup> (Aluminum)	CA QC OEL
		TWA (Respirable)	1 mg/m <sup>3</sup> (Aluminum)	CA BC OEL
		TWA (Respirable particulate matter)	1 mg/m <sup>3</sup> (Aluminum)	ACGIH
2,2'-iminodiethanol	111-42-2	TWA value (Inhalable fraction and vapor)	1 mg/m <sup>3</sup>	ACGIHTLV
		Skin Designation (Inhalable fraction and vapor)		ACGIHTLV
		REL value	3 ppm 15 mg/m <sup>3</sup>	NIOSH
		TWA value	3 ppm 15 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA	2 mg/m <sup>3</sup>	CA AB OEL
		TWA	2 mg/m <sup>3</sup>	CA BC OEL
		TWAEV	3 ppm 13 mg/m <sup>3</sup>	CA QC OEL
		TWA (Inhalable fraction and vapor)	1 mg/m <sup>3</sup>	ACGIH

**Engineering measures** : Ensure adequate ventilation.

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**Personal protective equipment**

- Respiratory protection : Wear appropriate certified respirator when exposure limits may be exceeded.  
Wear a NIOSH-certified (or equivalent) respirator as necessary.
- Hand protection
- Remarks : Chemical resistant protective gloves Manufacturer's directions for use should be observed because of great diversity of types.
- Eye protection : Wear safety glasses with side shields or goggles.
- 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 - obtain special instructions before use.  
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).

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Color : beige
- Odor : slight, amine-like
- Odor Threshold : not determined
- pH : 2.0 - 3.0 (20 °C)
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available

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Flash point : A flash point determination is unnecessary due to the high water content.

Evaporation rate : No data available

Flammability (liquids) : not highly flammable

Self-ignition : not self-igniting

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Relative density : No data available

Density : 1.47 g/cm<sup>3</sup> (20 °C)

Solubility(ies)

    Water solubility : soluble

    Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : not applicable for mixtures

Autoignition temperature : not determined

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

Viscosity

    Viscosity, dynamic : 400 - 700 mPa.s

    Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : not fire-propagating

Sublimation point : No data available

Molecular weight : No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No hazardous reactions if stored and handled as prescribed/indicated.

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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 based on available information.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**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.

**IARC** Group 2B: Possibly carcinogenic to humans  
2,2'-iminodiethanol

111-42-2

**Reproductive toxicity**

Suspected of damaging fertility. Suspected of damaging the unborn child.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

May cause damage to organs (Kidney, Liver, Blood, Central nervous system) through prolonged or repeated exposure.



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**Aspiration toxicity**

Not classified based on available information.

**Further information****Product:**

Remarks : Health injuries are not known or expected under normal use. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:****Ecotoxicology Assessment**

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

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

**Persistence and degradability****Product:**

Biodegradability : Remarks: Taking into consideration the properties of several ingredients, 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:**

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 : Dispose of in accordance with national, state and local regulations.

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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.

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**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****TDG**

Not regulated as a dangerous good

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**SECTION 15. REGULATORY INFORMATION****The ingredients of this product are reported in the following inventories:**

TSCA : All substances listed as active on the TSCA inventory

DSL : This product contains one or more components listed on the Canadian NDSL. All other components are on the Canadian DSL.

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**SECTION 16. OTHER INFORMATION****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 1910.1000
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIHTLV	:	American Conference of Governmental Industrial Hygienists - threshold limit values (US)
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	:	Canada. British Columbia OEL
CA QC OEL	:	Québec. Regulation respecting occupational health and safe-

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ty, Schedule 1, Part 1: Permissible exposure values for airborne contaminants

NIOSH : NIOSH Pocket Guide to Chemical Hazards (US)

29 CFR 1910.1000 (Table Z-1-A) / TWA value : Time Weighted Average (TWA):

29 CFR 1910.1000 (Table Z-1) / PEL : Permissible exposure limit

ACGIH / TWA : 8-hour, time-weighted average

ACGIHTLV / Skin Designation : Skin Designation:

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

CA AB OEL / TWA : 8-hour Occupational exposure limit

CA BC OEL / TWA : 8-hour time weighted average

CA QC OEL / TWA EV : Time-weighted average exposure value

NIOSH / REL value : Recommended exposure limit (REL):

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 Harmonized 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 Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - 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; 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 - 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; 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; 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

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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 guid-

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ance 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.

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