

# MasterProtect HB 200 medium

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**SECTION 1. IDENTIFICATION** 

Product name : MasterProtect HB 200 medium

Product code : 00000000051713572 00000000051713572

Other means of identification : No data available

Manufacturer or supplier's details

Company name of supplier : MBSCS Canada, Inc.

Address : 7111 Syntex Drive, 3rd Floor

Mississauga ON L5N 8C3

Emergency telephone : ChemTel: +1-813-248-0585;

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 Hazardous Products Regulations

Carcinogenicity (Inhalation) : Category 1A

Specific target organ toxicity

- repeated exposure

Category 2 (Kidney)

Short-term (acute) aquatic

hazard

Category 3

**GHS** label elements

Hazard pictograms

Signal Word : Danger

Hazard Statements : H350 May cause cancer.

H373 May cause damage to organs (Kidney) through prolonged

or repeated exposure. H402 Harmful to aquatic life.

Precautionary Statements : Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

P201 Obtain special instructions before use.



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P202 Do not handle until all safety precautions have been read

and understood.

P260 Do not breathe dust or mist.
P273 Avoid release to the environment.

Response:

P308 + P311 IF exposed or concerned: Call a POISON

CENTER/ doctor.

P314 Get medical advice/ attention if you feel unwell.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to appropriate hazardous

waste collection point.

### Other hazards

None known.

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

## Components

Chemical name	CAS-No.	Concentration (% w/w)
Titanium dioxide	13463-67-7	>= 5 - < 50
Limestone	1317-65-3	>= 10 - < 50
ethylene glycol	107-21-1	>= 1 - < 3
Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	25265-77-4	>= 0 - < 3
Mica-group minerals	12001-26-2	>= 1 - < 3
Quartz (SiO2)	14808-60-7	>= 0.1 - < 1
Poly(oxy-1,2-ethanediyl), .alpha [(1,1,3,3-tetramethylbutyl)phenyl]- .omegahydroxy-	9036-19-5	>= 0.1 - < 0.2
diuron	330-54-1	>= 0 - < 0.2
carbendazim	10605-21-7	>= 0 - < 0.1
3-iodo-2-propynyl butylcarbamate	55406-53-6	>= 0 - < 0.1

#### **SECTION 4. FIRST AID MEASURES**

General advice : Remove contaminated clothing.

Move out of dangerous area.

Show this material safety data sheet to the doctor in attend-

ance.

Do not leave the victim unattended.

If inhaled : Keep patient calm, remove to fresh air, seek medical atten-

tion.

If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

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In case of skin contact Wash thoroughly with soap and water

In case of eye contact Wash affected eyes for at least 15 minutes under running

water with eyelids held open.

Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed Immediately rinse mouth and then drink 200-300 ml of water,

seek medical attention.

Induce vomiting immediately and call a physician.

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. Take victim immediately to hospital.

Most important symptoms and effects, both acute and

delayed

May cause cancer.

Notes to physician Treat symptomatically.

### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water spray

Foam Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing

media

High volume water jet

Specific hazards during fire

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Further information Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment:

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

tive equipment and emer-

Personal precautions, protec- : Use personal protective equipment.

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gency procedures

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

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 ap-

plication area.

Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on stor-

age 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.

Further information on stor-

age stability

No data available

#### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

# Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethylene glycol	107-21-1	TWA value (Vapor frac- tion)	25 ppm	ACGIHTLV
		STEL value	50 ppm	ACGIHTLV



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		(Vapor frac- tion)		
		STEL value	10 mg/m3	ACGIHTLV
		(Aerosol,	10 mg/ms	ACCITIEV
		inhalable.)		
		(c)	100 mg/m3	CA AB OEL
				CA BC OEL
		TWA (partic- ulate)	10 mg/m3	
		STEL (par- ticulate)	20 mg/m3	CA BC OEL
		C (aerosol)	100 mg/m3	CA BC OEL
		C (Vapor)	50 ppm	CA BC OEL
		C (Vapour	50 ppm	CA QC OEL
		and mist)	127 mg/m3	·
		TWA (Vapor)	25 ppm	ACGIH
		STEL (Vapor)	50 ppm	ACGIH
		STEL (Inhal-	10 mg/m3	ACGIH
		able fraction,	159,5	7.55
		Aerosol only)		
diuron	330-54-1	TWA value	10 mg/m3	ACGIHTLV
a.a.o.i	000 0	REL value	10 mg/m3	NIOSH
		TWA value	10 mg/m3	29 CFR
		TVVA Value	10 mg/mo	1910.1000
				(Table Z-1-A)
		TWA	10 mg/m3	CA AB OEL
		TWA	10 mg/m3	CA BC OEL
		TWAEV	10 mg/m3	CA QC OEL
		TWALV	10 mg/m3	ACGIH
Limantona	1317-65-3	REL value	5 mg/m3	NIOSH
Limestone	1317-05-3	(Respirable)		
		REL value (Total)	10 mg/m3	NIOSH
		PEL (Respir-	5 mg/m3	29 CFR
		able fraction)		1910.1000 (Table Z-1)
		PEL (Total	15 mg/m3	29 CFR
		dust)	3. 3.	1910.1000
		,		(Table Z-1)
		TWA value	5 mg/m3	29 CFR
		(Respirable		1910.1000
		fraction)		(Table Z-1-A)
		TWA value	15 mg/m3	29 CFR
		(Total dust)		1910.1000
		, ,		(Table Z-1-A)
		TWA	10 mg/m3	CA AB OEL
		TWAEV (to-	10 mg/m3	CA QC OEL
		tal dust)		
		TWA (Total	10 mg/m3	CA BC OEL
		dust)		
		TWA (respir-	3 mg/m3	CA BC OEL
		able dust		
		fraction)		



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		STEL	20 mg/m3	CA BC OEL
Mica-group minerals	12001-26-2	TWA value	3 mg/m3	ACGIHTLV
		(Respirable		
		fraction)		
		REL value	3 mg/m3	NIOSH
		(Respirable)		
		TWA value	3 mg/m3	29 CFR
		(Respirable		1910.1000
		dust)		(Table Z-1-A)
		TWA value	20 millions of	29 CFR
			particles per cubic	1910.1000
		TIA/A /D	foot of air	(Table Z-3)
		TWA (Res- pirable)	3 mg/m3	CA AB OEL
		TWA (Respirable)	3 mg/m3	CA BC OEL
		TWAEV	3 mg/m3	CA QC OEL
		(respirable		
		dust)		
		TWA (Res-	3 mg/m3	ACGIH
		pirable par-		
		ticulate mat-		
		ter)		
Titanium dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTLV
		PEL (Total	15 mg/m3	29 CFR
		dust)		1910.1000
				(Table Z-1)
		TWA value	10 mg/m3	29 CFR
		(Total dust)		1910.1000
		T) \( \( \) \( \)	40	(Table Z-1-A)
		TWA	10 mg/m3	CA AB OEL
		TWA (Total dust)	10 mg/m3	CA BC OEL
		TWA (respir-	3 mg/m3	CA BC OEL
		able dust		
		fraction)		
		TWAEV (to-	10 mg/m3	CA QC OEL
		tal dust)		
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH
Quartz (SiO2)	14808-60-7	TWA value	0.025 mg/m3	ACGIHTLV
		(Respirable fraction)		
		TWA value	0.05 mg/m3	29 CFR
			(Respirable dust)	1910.1001- 1050
		OSHA Action	0.025 mg/m3	29 CFR
		level	(Respirable dust)	1910.1001- 1050
		REL value	0.05 mg/m3	NIOSH
		(Respirable		
		dust)		
		TWA (Res-	0.025 mg/m3	CA AB OEL



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ticulates)		
TWA (Respirable fraction)	0.1 mg/m3	CA ON OEL
tion) TWAEV (respirable dust)	0.1 mg/m3	CA QC OEL
TWA (Respirable)	0.025 mg/m3 (Silica)	CA BC OEL
TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH

**Engineering measures** : No applicable information available.

Personal protective equipment

Respiratory protection : Wear a NIOSH-certified (or equivalent) respirator as neces-

sary.

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

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.

Wearing of closed work clothing is recommended.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Color : various colours

Odor : sweetish, slight odour



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Odor Threshold : No data available

pH : No data available

Melting point : No applicable information available.

Freezing point No applicable information available.

Boiling point : 192.78 - 205.00 °C

Flash point : > 93.34 °C

Evaporation rate : No applicable information available.

Flammability (solid, gas) : not highly flammable

Method: derived from flash point

Upper explosion limit / Upper

flammability limit

15.3 %(V)

Lower explosion limit / Lower

flammability limit

3.2 %(V)

Vapor pressure : No applicable information available.

Relative vapor density : Heavier than air.

Relative density : No applicable information available.

Density : 1.35 - 1.47 g/cm3 (20 °C)

Solubility(ies)

Water solubility : partly soluble

Solubility in other solvents : No applicable information available.

Partition coefficient: n-

octanol/water

The value has not been determined because the substance is

inorganic.

Decomposition temperature : No decomposition if stored and handled as pre-

scribed/indicated.

Viscosity

Viscosity, dynamic : No applicable information available.

Viscosity, kinematic : No applicable information available.

Explosive properties : Not explosive

Not explosive

Oxidizing properties : Based on its structural properties the product is not classified

as oxidizing.



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Sublimation point : No applicable information available.

Molecular weight : No data available

#### **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 reac-

tions

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

irritant gases/vapours

carbon oxides

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

### **Acute toxicity**

Not classified based on available information.

**Product:** 

Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : Remarks: No applicable information available.

Acute dermal toxicity : Remarks: No applicable information available.

#### 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.



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### Carcinogenicity

May cause cancer.

# 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.

# **Components:**

### Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol:

Not applicable

#### **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**

# **Components:**

diuron:

M-Factor (Acute aquatic tox- : 10

icity)

M-Factor (Chronic aquatic

10

toxicity)

## Persistence and degradability

#### Components:

Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]- .omega.-hydroxy-:

Biodegradability : aerobic

Inoculum: activated sludge, domestic, non-adapted

Result: Readily biodegradable.

Biodegradation: 90 %

# **MBCC** GROUP

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Exposure time: 28 d

Method: Modified OECD-Screening-Test.

# **Bioaccumulative potential**

#### **Components:**

Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol:

Partition coefficient: nlog Pow: 3.2 (25 °C)

pH: 7 octanol/water

Method: Partition coefficient (n-octanol/water), HPLC method.

GLP: no

Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]- .omega.-hydroxy-:

: Remarks: Accumulation in organisms is not to be expected. Bioaccumulation

carbendazim:

Pow: approx. 36 (22 °C) Partition coefficient: noctanol/water

log Pow: approx. 1.6 (22 °C)

pH: 5

Pow: approx. 59 (22 °C) log Pow: approx. 1.77 (22 °C)

pH: 7

Pow: approx. 81 (22 °C) log Pow: approx. 1.9 (22 °C)

pH: 9

3-iodo-2-propynyl butylcarbamate:

Partition coefficient: nlog Pow: 2.81 (25 °C)

Method: Partition coefficient (n-octanol/water), Shake-flask octanol/water

> method GLP: yes

Mobility in soil

No data available

Other adverse effects

**Product:** 

Additional ecological infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Harmful to aquatic life.

### **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods

Waste from residues Dispose of in accordance with national, state and local regula-

tions.



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Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible

and disposed of in the same manner as the sub-

stance/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**

# TDG

Not regulated as a dangerous good

#### **SECTION 15. REGULATORY INFORMATION**

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

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

### **SECTION 16. OTHER INFORMATION**

#### Full text of other abbreviations

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1-A (29 CFR 1910.1000)

1-A)

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

1910.1000

29 CFR 1910.1000 (Table Z- : OSHA Table Z-3 (Mineral Dusts) 29 CFR 1910.1000

3)

29 CFR 1910.1001-1050 : OSHA - Specifically Regulated Substances (29 CFR

1910.1001-1050)

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 ON OEL : Ontario Table of Occupational Exposure Limits made under



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the Occupational Health and Safety Act.

CA QC OEL : Québec. Regulation respecting occupational health and safe-

ty, Schedule 1, Part 1: Permissible exposure values for air-

borne 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- : Permissible exposure limit

1) / PEL

29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):

3) / TWA value

29 CFR 1910.1001-1050 / : OSHA Action level:

OSHA Action level

29 CFR 1910.1001-1050 / : Time Weighted Average (TWA):

TWA value

ACGIH / TWA : 8-hour, time-weighted average ACGIH / STEL : Short-term exposure limit

ACGIHTLV / STEL value : Short Term Exposure Limit (STEL):
ACGIHTLV / TWA value : Time Weighted Average (TWA):
CA AB OEL / TWA : 8-hour Occupational exposure limit
CA AB OEL / (c) : ceiling occupational exposure limit
CA BC OEL / TWA : 8-hour time weighted average

CA BC OEL / STEL : short-term exposure limit

CA BC OEL / C : ceiling limit

CA ON OEL / TWA : Time-Weighted Average Limit (TWA)
CA QC OEL / TWAEV : Time-weighted average exposure value

CA QC OEL / C : Ceiling

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

AICS - Australian Inventory of Chemical Substances; 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; 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; 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 - Trans-



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portation 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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