

MasterTop TC 504 white PART A

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

SECTION 1. IDENTIFICATION

Product name : MasterTop TC 504 white PART A

Product code : 00000000051651350 00000000051651350

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

FLAMMABLE LIQUIDS : Category 4

Skin corrosion/irritation : Category 2

Serious eye damage/eye

irritation

Category 2A

Skin sensitization : Category 1

Specific target organ toxicity - repeated exposure (Inhala-

tion)

Category 1 (Lung)

Short-term (acute) aquatic

hazard

Category 2

Long-term (chronic) aquatic

hazard

Category 2

GHS label elements

Hazard pictograms







Signal Word : Danger

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

Hazard Statements : H227 Combustible liquid.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H372 Causes damage to organs (Lung) through prolonged or

repeated exposure if inhaled. H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : pr

Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P273 Avoid release to the environment.

P260 Do not breathe dust or mist.

P210 Keep away from heat, hot surfaces, sparks, open flames

and other ignition sources. No smoking.

P270 Do not eat, drink or smoke when using this product.

P264 Wash face, hands and any exposed skin thoroughly after

handling.

P272 Contaminated work clothing should not be allowed out of

the workplace.

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.

P314 Get medical advice/ attention if you feel unwell.

P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.

P333 + P311 If skin irritation or rash occurs: Call a POISON

CENTER or doctor/physician.

P332 + P313 If skin irritation occurs: Get medical advice/ atten-

tion.
P362 + P364 Take off contaminated clothing and wash it before

P362 + reuse.

P391 Collect spillage.

P337 + P311 If eye irritation persists: Call a POISON CENTER

or doctor/physician.

P370 + P378 In case of fire: Use water spray, alcohol-resistant

foam, dry chemical or carbon dioxide to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/container to appropriate hazardous

waste collection point.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



MasterTop TC 504 white PART A

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

Chemical nature : No data available.

Components

Chemical name	CAS-No.	Concentration (% w/w)
bisphenol A-epichlorohydrin resin	25068-38-6	>= 1 - < 50
Reaction product: bisphenol-A-	25068-38-6	>= 0 - < 50
(epichlorhydrin)-Epoxy resin (number		
average molecular weight <= 700)		
Titanium dioxide	13463-67-7	>= 15 - < 20
Limestone	1317-65-3	>= 7 - < 20
Quartz (SiO2)	14808-60-7	>= 10 - < 15
1-methoxy-2-propanol	107-98-2	>= 3 - < 5
Oxirane, mono[(C12-14-	68609-97-2	>= 0.3 - < 1
alkyloxy)methyl] derivs.		
hexamethylene diacrylate; hexane-	13048-33-4	>= 0 - < 1
1,6-diol diacrylate		

SECTION 4. FIRST AID MEASURES

General advice : First aid personnel should pay attention to their own safety.

If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

Immediately 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.

In case of skin contact : Immediately wash thoroughly with soap and water, seek med-

ical attention.

If skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

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

water with eyelids held open, consult an eye specialist.

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

seek medical attention.

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

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

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Causes damage to organs through prolonged or repeated

exposure if inhaled.

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.

For safety reasons in case of fire, cans should be stored sepa-

rately in closed containments.

Use a water spray to cool fully closed containers.

Special protective equipment:

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emer-

gency 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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local

Version **Revision Date:** SDS Number: Date of last issue: -

11/19/2020 000000260707 Date of first issue: 11/19/2020 1.0

/ national regulations (see section 13).

Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against : Product is not explosive.

fire and explosion

Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of

ignition.

Advice on safe handling Avoid formation of aerosol.

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.

Provide sufficient air exchange and/or exhaust in work rooms. 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

used.

Conditions for safe storage no smoking

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, wellventilated place away from ignition sources, heat or flame.

Protect from direct sunlight.

Materials to avoid Observe VCI storage rules.

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
		oxpodulo)	oonoonaaaon	
1-methoxy-2-propanol	107-98-2	TWA value	50 ppm	ACGIHTLV



MasterTop TC 504 white PART A

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

1	1	STEL value	100 ppm	ACGIHTLV
		REL value	100 ppm	NIOSH
			100 ppm 360 mg/m3	NIOSH
		STEL value	150 ppm 540 mg/m3	NIOSH
		TWA value	100 ppm 360 mg/m3	29 CFR 1910.1000
		STEL value	150 ppm 540 mg/m3	(Table Z-1-A) 29 CFR 1910.1000 (Table Z-1-A)
		STEL	150 ppm 553 mg/m3	CA AB OEL
		TWA	100 ppm 369 mg/m3	CA AB OEL
		TWA	50 ppm	CA BC OEL
		STEL	100 ppm	CA BC OEL
		TWAEV	100 ppm 369 mg/m3	CA QC OEL
		STEV	150 ppm 553 mg/m3	CA QC OEL
		TWA	50 ppm	ACGIH
		STEL	100 ppm	ACGIH
Limestone	1317-65-3	REL value (Respirable)	5 mg/m3	NIOSH
		REL value (Total)	10 mg/m3	NIOSH
		PEL (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	10 mg/m3	CA AB OEL
		TWAEV (to- tal dust)	10 mg/m3	CA QC OEL
		TWA (Total dust)	10 mg/m3	CA BC OEL
		TWA (respirable dust fraction)	3 mg/m3	CA BC OEL
		STEL	20 mg/m3	CA BC OEL
Titanium dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTLV
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000
				(Table Z-1)



MasterTop TC 504 white PART A

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

1		1	1	Ī
		(Total dust)		1910.1000
				(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	3 mg/m3	CA BC OEL
		fraction)		
			40	CA QC OEL
		TWAEV (to- tal dust)	10 mg/m3	CA QC OEL
		TWA	10 mg/m3	ACGIH
			(Titanium dioxide)	
Quartz (SiO2)	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
		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 (Respirable dust)	0.05 mg/m3	NIOSH
		TWA (Respirable particulates)	0.025 mg/m3	CA AB OEL
		TWA (Respirable fraction)	0.1 mg/m3	CA ON OEL
		TWAEV (respirable dust)	0.1 mg/m3	CA QC OEL
		TWA (Res- pirable)	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 : When workers are facing concentrations above the occupa-

tional 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



MasterTop TC 504 white PART A

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

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.

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 : pigmented

Odor : aromatic, mild

Odor Threshold : No data available

pH : neutral to slightly alkaline

Melting point : No applicable information available.

Freezing point No applicable information available.

Boiling point : 163 °C

Flash point : 74 °C

Method: Standard Method of Test for Flash Point by Setaflash

Closed Tester, closed cup

Evaporation rate : No applicable information available.

Flammability (solid, gas) : not determined

Vapor pressure : No applicable information available.

Relative vapor density : Heavier than air.

Relative density : No applicable information available.



MasterTop TC 504 white PART A

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

Density : 1.57 g/cm3 (20 °C)

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No applicable information available.

Partition coefficient: n-

octanol/water

No data available.

Autoignition temperature : No data available

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.

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.

Vapors may form explosive mixture with air.

Conditions to avoid : Avoid all sources of ignition: heat, sparks, open flame.

Heat, flames and sparks.

Incompatible materials : Strong acids

Strong bases

Strong oxidizing agents Strong reducing agents

Hazardous decomposition

products

: Traces of the substances/groups of substances are released

as decomposition products of the dry substance.

carbon oxides nitrogen oxides Hydrocarbons



MasterTop TC 504 white PART A

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

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

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.

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

Causes damage to organs (Lung) through prolonged or repeated exposure if inhaled.

Aspiration toxicity

Not classified based on available information.



MasterTop TC 504 white PART A

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

Product:

No aspiration hazard expected.

Components:

1-methoxy-2-propanol:

Not applicable

hexamethylene diacrylate; hexane-1,6-diol diacrylate:

Not applicable

Further information

Product:

Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Components:

1-methoxy-2-propanol:

Partition coefficient: n- : log Pow: -0.43 (25 °C) octanol/water : Method: other (measured)

GLP: no

Remarks: Information taken from reference works and the

literature.

hexamethylene diacrylate; hexane-1,6-diol diacrylate:

Partition coefficient: n- : log Pow: 2.81 (25 °C) octanol/water : Method: other (measured)

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.

Toxic to aquatic life.

Toxic to aquatic life with long lasting effects.



MasterTop TC 504 white PART A

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

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

tions.

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)

I-A)

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

1910.1000

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)

Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

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

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- : Short Term Exposure Limit (STEL):

1-A) / STEL value

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

1-A) / TWA value

29 CFR 1910.1000 (Table Z- : Permissible exposure limit

1) / PEL

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 / STEL : 15-minute occupational exposure limit

CA BC OEL / TWA : 8-hour time weighted average CA BC OEL / STEL : short-term exposure limit

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

CA QC OEL / STEV : Short-term exposure value

NIOSH / REL value : Recommended exposure limit (REL): NIOSH / STEL value : Short Term Exposure Limit (STEL):

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 Substanc-



Version Revision Date: SDS Number: Date of last issue: -

1.0 11/19/2020 000000260707 Date of first issue: 11/19/2020

es; (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

Revision Date : 11/19/2020

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