

MasterSeal NP 1 Gray

Version Revision Date: SDS Number: Date of last issue: 01/21/2021
2.0 11/17/2022 000000680502 Date of first issue: 01/21/2021

SECTION 1. IDENTIFICATION

Product name : MasterSeal NP 1 Gray
Product code : 000000000050433599 000000000050433599
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;
National Emergency Tele- : USA: +1-800-255-3924 ChemTel contract no. MIS9240420
phone Number

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**

Acute toxicity (Inhalation - : Category 4
vapour)
Serious eye damage/eye : Category 2A
irritation
Respiratory sensitization : Category 1
Skin sensitization : Category 1
Carcinogenicity : Category 2
Specific target organ toxicity : Category 1 (Central nervous system)
- repeated exposure

GHS label elements

Hazard pictograms :  
Signal Word : Danger

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Hazard Statements : H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H317 May cause an allergic skin reaction.
 H351 Suspected of causing cancer.
 H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.

Precautionary Statements : **Prevention:**
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P271 Use only outdoors or in a well-ventilated area.
 P260 Do not breathe dusts or mists.
 P201 Obtain special instructions before use.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
 P202 Do not handle until all safety precautions have been read and understood.
 P284 In case of inadequate ventilation wear respiratory protection.
 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.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P314 Get medical advice/ attention if you feel unwell.
 P302 + P352 IF ON SKIN: Wash with plenty of water.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.

Storage:
 P405 Store locked up.

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

Other hazards

Contains isocyanates. Inhalation of isocyanate mists or vapors may cause respiratory irritation, breathlessness, chest discomfort and reduced pulmonary function. Overexposure well above the PEL may result in bronchitis, bronchial spasms and pulmonary edema. Animal tests indicate that skin contact may play a role in causing respiratory sensitization.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Sealant

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Limestone	Calcium carbonate	1317-65-3	$\geq 15 - < 20$
Titanium dioxide	C.I. Pigment White 6	13463-67-7	$\geq 3 - < 5$
talc	hydrated magnesium silicate	14807-96-6	$\geq 3 - < 5$
calcium oxide	quicklime	1305-78-8	$\geq 1 - < 3$
Stoddard solvent	Stoddard solvent	8052-41-3	$\geq 1 - < 3$
Bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexan-1,2-diylbiscarbamate	Carbamic acid, 1,6-hexanediylbis-, bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] ester	59719-67-4	$\geq 1 - < 3$
toluene-2,6-diisocyanate	Benzene, 1,3-diisocyanato-2-methyl-	91-08-7	$\geq 0.3 - < 1$
trimethoxy(3-(oxiranyl-methoxy)propyl)silane	Silane, tri-methoxy[3-(oxiranyl-methoxy)propyl]-	2530-83-8	$\geq 0.3 - < 1$

SECTION 4. FIRST AID MEASURES

- General advice : First aid personnel should pay attention to their own safety. Remove contaminated clothing.
- If inhaled : Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.
- In case of skin contact : Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. 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, consult an eye specialist. Remove contact lenses, if present, after first 5 minutes, then continue rinsing for an additional 15 minutes.
- If swallowed : Rinse mouth and then drink 200-300 ml of water. DO NOT induce vomiting unless directed to do so by a physi-

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cian or poison control center.

Most important symptoms and effects, both acute and delayed : Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Foam
Water spray
Dry powder
Carbon dioxide (CO₂)

Unsuitable extinguishing media : water jet

Hazardous combustion products : nitrous gases
fumes/smoke
isocyanate
vapor

Further information : Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special protective equipment for fire-fighters : Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Clear area.
Ensure adequate ventilation.
Wear suitable personal protective clothing and equipment.

Environmental precautions : Contain contaminated water/firefighting water.
Do not discharge into drains/surface waters/groundwater.

Methods and materials for containment and cleaning up : Sweep/shovel up.
Dispose of absorbed material in accordance with regulations.

Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust

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is formed.

- Advice on safe handling : Provide suitable exhaust ventilation at the processing machines.
Ensure thorough ventilation of stores and work areas.
Avoid aerosol formation.
When handling heated product, vapours of the product should be ventilated, and respiratory protection used.
Wear respiratory protection when spraying.
Danger of bursting when sealed gastight.
Protect against moisture.
If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.
- 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 storage conditions : Keep only in the original container in a cool, well-ventilated place.
Protect from direct sunlight.
Store protected against freezing.
- Recommended storage temperature : 5 - 32 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
toluene-2,6-diisocyanate	91-08-7	TWA	0.005 ppm	CA BC OEL
		C	0.01 ppm	CA BC OEL
		TWA	0.005 ppm 0.04 mg/m ³	CA AB OEL
		(c)	0.02 ppm 0.1 mg/m ³	CA AB OEL
		TWA	0.005 ppm	CA ON OEL
		C	0.02 ppm	CA ON OEL
		TWA (Inhalable fraction and vapor)	0.001 ppm	ACGIH
		STEL (Inhalable fraction and vapor)	0.005 ppm	ACGIH
calcium oxide	1305-78-8	TWA	2 mg/m ³	CA AB OEL
		TWA	2 mg/m ³	CA BC OEL

SAFETY DATA SHEET

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		TWAEV	2 mg/m3	CA QC OEL
		TWA	2 mg/m3	ACGIH
Limestone	1317-65-3	TWA	10 mg/m3	CA AB OEL
		TWAEV (total 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	10 mg/m3	CA AB OEL
		TWA (Total dust)	10 mg/m3	CA BC OEL
		TWA (respirable dust fraction)	3 mg/m3	CA BC OEL
		TWAEV (total dust)	10 mg/m3	CA QC OEL
		TWA (Respirable particulate matter)	0.2 mg/m3 (Titanium dioxide)	ACGIH
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH
talc	14807-96-6	TWAEV (fibres)	1 fibres per cubic centimeter	CA QC OEL
		TWAEV (respirable dust)	2 mg/m3	CA QC OEL
		TWA	0.1 fibres per cubic centimeter	CA BC OEL
		TWA (Respirable particulates)	2 mg/m3	CA AB OEL
		TWA (Respirable)	2 mg/m3	CA BC OEL
		TWA	2 fibres per cubic centimeter	CA ON OEL
		TWA (Respirable fraction)	2 mg/m3	CA ON OEL
		TWA	0.1 fibres per cubic centimeter	ACGIH
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
Stoddard solvent	8052-41-3	TWA	100 ppm 572 mg/m3	CA AB OEL
		TWA	290 mg/m3	CA BC OEL
		STEL	580 mg/m3	CA BC OEL

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		TWAEV	100 ppm 525 mg/m3	CA QC OEL
		TWA	525 mg/m3	CA ON OEL
		TWA	100 ppm	ACGIH

Engineering measures : Provide adequate exhaust ventilation to control work place concentrations.

Personal protective equipment

Respiratory protection : When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place.
 For emergency or non-routine, high exposure situations, including confined space entry, use a NIOSH-certified full face-piece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Hand protection

Remarks : Chemical resistant protective gloves should be worn to prevent all skin contact. Suitable materials may include chloroprene rubber (Neoprene) nitrile rubber (Buna N) chlorinated polyethylene polyvinylchloride (Pylox) butyl rubber depending upon conditions of use.

Eye protection : Tightly fitting safety goggles (chemical goggles).
 Wear face shield if splashing hazard exists.

Skin and body protection : Cover as much of the exposed skin as possible to prevent all skin contact.
 Suitable materials may include saran-coated material depending upon conditions of use.

Protective measures : Wear protective clothing as necessary to prevent contact.
 Eye wash fountains and safety showers must be easily accessible.
 Observe the appropriate PEL or TLV value.

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).
 Wash soiled clothing immediately.
 Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance : paste

Color : gray

Odor : mild

Odor Threshold : not determined

pH : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : does not flash

Evaporation rate : No data available

Flammability (solid, gas) : not flammable
Method: Manual of tests and criteria. Test N.1 (United Nations
Recommendations on the Transport of Dangerous Goods).

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 : 10.1 lb/USg (25 °C)

Solubility(ies)
 Water solubility : insoluble (15 °C)

 Solubility in other solvents : No data available

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

Autoignition temperature : No data available

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

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scribed/indicated.

Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	Not an oxidizer.
Sublimation point	:	No data available
Molecular weight	:	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability	:	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions	:	<p>Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols. Reacts with acids. Reacts with alkalis. Reacts with amines. Risk of exothermic reaction. Risk of polymerization. Contact with certain rubbers and plastics can cause brittleness of the substance/product with subsequent loss in strength.</p>
Conditions to avoid	:	Avoid moisture.
Incompatible materials	:	<p>Acids Amines Alcohols Water Alkalines Strong bases Substances/products that react with isocyanates.</p>
Hazardous decomposition products	:	<p>nitrogen oxides Aromatic isocyanates gases/vapours Carbon monoxide Carbon dioxide (CO₂) Hydrogen cyanide (hydrocyanic acid)</p>

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if inhaled.

Product:

Acute inhalation toxicity : ATE: 14.8 mg/l
Remarks: Determined for vapor

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization**Skin sensitization**

May cause an allergic skin reaction.

Respiratory sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Suspected of causing cancer.

IARC	Group 2B: Possibly carcinogenic to humans	
	Titanium dioxide	13463-67-7
	Group 2B: Possibly carcinogenic to humans	
	toluene-2,6-diisocyanate	91-08-7
	(toluene diisocyanates)	

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Causes damage to organs (Central nervous system) through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks : 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 : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

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 : Dispose of in accordance with national, state and local regulations.
Do not contaminate ponds, waterways or ditches with chemical 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 substance/product.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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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:**

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.

TSCA list

The following substance(s) is/are subject to a Significant New Use Rule:

toluene-2,6-diisocyanate	91-08-7
4-methyl-m-phenylene diisocyanate	584-84-9

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
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 safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
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 / C	: Ceiling Limit (C)
CA ON OEL / TWA	: Time-Weighted Average Limit (TWA)
CA QC OEL / TWAEV	: Time-weighted average exposure value

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 Sys-

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tem; 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 - Transportation of Dangerous Goods; TECL - 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; 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 guidance 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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