

MasterSeal NP 2 activator

Version Revision Date: SDS Number: Date of last issue: 07/08/2020
2.0 03/03/2021 000000260282 Date of first issue: 05/07/2020

SECTION 1. IDENTIFICATION

Product name : MasterSeal NP 2 activator
Product code : 000000000051687443 000000000051687443
Other means of identification : MasterSeal NP2/SL2 Activator

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 : Sealant
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 - vapour) : Category 3
Respiratory sensitization : Category 1
Skin sensitization : Category 1
Carcinogenicity : Category 2

GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H331 Toxic 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.

Precautionary Statements : **Prevention:**
 P271 Use only outdoors or in a well-ventilated area.

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P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P260 Do not breathe dust or mist.
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P284 In case of inadequate ventilation wear respiratory protection.
 P272 Contaminated work clothing should not be allowed out of the workplace.

Response:

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P311 Call a POISON CENTER or doctor/ physician.
 P302 + P352 IF ON SKIN: Wash with plenty of water.
 P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 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

Chemical nature : polyurethane component

Components

Chemical name	CAS-No.	Concentration (% w/w)
4-methyl-m-phenylene diisocyanate	584-84-9	>= 1 - < 3
toluene-2,6-diisocyanate	91-08-7	>= 0.3 - < 1
p-Toluenesulphonyl isocyanate	4083-64-1	>= 0.2 - < 0.3

SECTION 4. FIRST AID MEASURES

General advice : 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 affected areas thoroughly with soap and water.
 Consult a doctor if skin irritation persists.

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- In case of eye contact : In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.
- If swallowed : Rinse mouth and then drink 200-300 ml of water. Do NOT induce vomiting. Immediate medical attention required.
- Most important symptoms and effects, both acute and delayed : Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Foam
Water spray
- 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.
- Hazardous combustion products : nitrous gases
fumes/smoke
isocyanate
vapor
- Further information : Sealed containers should be protected against heat as this results in pressure build-up.
- 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 necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
- Environmental precautions : Do not discharge into drains/surface waters/groundwater.

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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 : Avoid all sources of ignition: heat, sparks, open flame.
 If exposed to fire, keep containers cool by spraying with water.

Advice on safe handling : Avoid contact with the skin, eyes and clothing.
 Avoid excessive temperatures.
 Avoid humidity.

Conditions for safe storage : Prevent unauthorized access.
 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 container tightly closed and in a well-ventilated place.

Recommended storage temperature : 18 - 40 °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	STEL value (Inhalable fraction and vapor)	0.005 ppm	ACGIHTLV
		Skin Designation (Inhalable fraction and vapor)		ACGIHTLV
		TWA value (Inhalable fraction and vapor)	0.001 ppm	ACGIHTLV
		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

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		(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
4-methyl-m-phenylene diisocyanate	584-84-9	TWA value (Inhalable fraction and vapor)	0.001 ppm	ACGIHTLV
		Skin Designation (Inhalable fraction and vapor)		ACGIHTLV
		STEL value (Inhalable fraction and vapor)	0.005 ppm	ACGIHTLV
		CLV	0.02 ppm 0.14 mg/m ³	29 CFR 1910.1000 (Table Z-1)
		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

Engineering measures : Provide local exhaust ventilation to control vapours/mists.

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.

Hand protection

Remarks : Chemical resistant protective gloves Protective glove selection must be based on the user's assessment of the work-

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- place hazards.
- Eye protection : Safety glasses with side-shields.
Wear face shield if splashing hazard exists.
- Skin and body protection : Body protection must be chosen based on level of activity and exposure.
- Protective measures : Wear protective clothing as necessary to prevent contact.
Eye wash fountains and safety showers must be easily accessible.
Observe the appropriate PEL value.
- Hygiene measures : Avoid contact with skin, eyes and clothing.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and immediately after handling the product.
Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : amber
- Odor : mild
- Odor Threshold : not determined
- pH : neutral to slightly alkaline
- Melting point : No data available.
- Freezing point : No data available.
- Boiling range : 237 - 251 °C
- Flash point : 126 °C
- Evaporation rate : No applicable information available.
- Flammability (liquids) : Not classified as a flammability hazard
- Upper explosion limit / Upper flammability limit : No data available.
- Lower explosion limit / Lower flammability limit : No data available.

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Vapor pressure	:	No data available.
Relative vapor density	:	Heavier than air.
Relative density	:	8.7 - 9.1 (23 °C)
Density	:	approx. 1.0 g/cm ³ (20 °C)
Bulk density	:	Not applicable
Solubility(ies)		
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available.
Autoignition temperature	:	No data available
Decomposition temperature	:	No applicable information available.
Viscosity		
Viscosity, dynamic	:	No data available.
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	Based on its structural properties the product is not classified as oxidizing.
Sublimation point	:	No data available
Molecular weight	:	No data available.

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	:	The product is chemically stable.
Conditions to avoid	:	Avoid moisture. Avoid prolonged exposure to extreme heat. Avoid sources of ignition.
Incompatible materials	:	Strong oxidizing agents

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Strong bases
Strong acids

Hazardous decomposition products : irritant gases/vapours
carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Toxic if inhaled.

Product:

Acute inhalation toxicity : ATE: 2.45 mg/l
Remarks: Determined for vapor

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**

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.

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.

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**

No data available

Persistence and degradability

No data available

Bioaccumulative potential**Components:****toluene-2,6-diisocyanate:**

Partition coefficient: n-octanol/water : log Pow: 3.74
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 : Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with local authority regulations.

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.

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

DSL : All components of this product are on the Canadian DSL

TSCA list

This product contains the following component which is subject to a TSCA § 5(a) proposed Significant New Use Rule (SNUR):

toluene-2,6-diisocyanate 91-08-7

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

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 ON OEL : Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.

29 CFR 1910.1000 (Table Z-1) / CLV : Ceiling Limit Value:

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

ACGIH / STEL : Short-term exposure limit

ACGIHTLV / Skin Designation : Skin Designation:

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 / C : ceiling limit

CA ON OEL / C : Ceiling Limit (C)

CA ON OEL / TWA : Time-Weighted Average Limit (TWA)

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

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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 - 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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