

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 : 00000000051687443 00000000051687443
 Other means of identification : MasterSeal NP2/SL2 Activator

Manufacturer or supplier's details

Company name of supplier : Master Builders-Admixtures US,LLC
 Address : 23700 CHAGRIN BLVD
 Beachwood OH 44122
 Emergency telephone : ChemTel: +1-813-248-0585 USA: +1-800-255-3924 Contract
 Number MIS9240420


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 29 CFR 1910.1200**

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.
 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.

MasterSeal NP 2 activator

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

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.

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.

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

Notes to physician : May cause an allergic skin reaction.
Suspected of causing cancer.
: 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.

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.

MasterSeal NP 2 activator

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

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 : 64 - 104 °F / 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
		C	0.02 ppm 0.14 mg/m ³	OSHA Z-1
		TWA (Inhalable fraction and vapor)	0.001 ppm	ACGIH
		STEL (Inhalable fraction and vapor)	0.005 ppm	ACGIH
		TWA	0.005 ppm 0.04 mg/m ³	OSHA P0
		STEL	0.02 ppm 0.15 mg/m ³	OSHA P0
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

MasterSeal NP 2 activator

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

				(Table Z-1)
		C	0.02 ppm 0.14 mg/m ³	OSHA Z-1
		TWA (Inhalable fraction and vapor)	0.001 ppm	ACGIH
		STEL (Inhalable fraction and vapor)	0.005 ppm	ACGIH
		TWA	0.005 ppm 0.04 mg/m ³	OSHA P0
		STEL	0.02 ppm 0.15 mg/m ³	OSHA P0

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 workplace 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.

Hygiene measures : Observe the appropriate PEL value.
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.

MasterSeal NP 2 activator

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

Boiling range : 459 - 484 °F / 237 - 251 °C

Flash point : 259 °F / 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.

Vapor pressure : No data available.

Relative vapor density : Heavier than air.

Relative density : 8.7 - 9.1 (73 °F / 23 °C)

Density : approx. 1.0 g/cm³ (68 °F / 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

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

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 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.

MasterSeal NP 2 activator

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

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.

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

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

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**49 CFR**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

toluene-2,6-diisocyanate	91-08-7
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4-methyl-m-phenylene diisocyanate	584-84-9
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US State Regulations**Pennsylvania Right To Know**

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

New Jersey Right To Know

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

California Prop. 65

WARNING: This product can expose you to chemicals including 4-methyl-m-phenylene diisocyanate, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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
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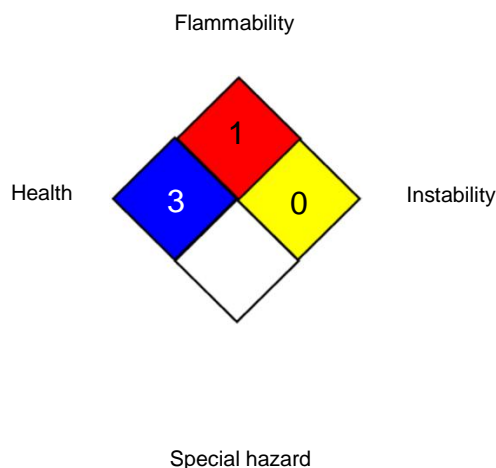
MasterSeal NP 2 activator

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

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH		
FLAMMABILITY		
PHYSICAL HAZARD		

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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)
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
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):
OSHA P0 / TWA	:	8-hour time weighted average
OSHA P0 / STEL	:	Short-term exposure limit
OSHA Z-1 / C	:	Ceiling

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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 Har-

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

monized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance 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

Revision Date : 03/03/2021

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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

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