

MasterSeal SL 180LIQ

Version 1.1 Revision Date: 01/27/2021 SDS Number: 000000260148 Date of last issue: 11/18/2020
Date of first issue: 11/18/2020

SECTION 1. IDENTIFICATION

Product name : MasterSeal SL 180LIQ
Product code : 000000000055512665 000000000055512665

Manufacturer or supplier's details

Company name of supplier : Master Builders-Construction Systems
US, LLC
Address : 23700 CHAGRIN BLVD
Beachwood OH 44122
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 29 CFR 1910.1200**

Flammable liquids : Category 3
Serious eye damage/eye irritation : Category 2A
Skin corrosion/irritation : Category 2
Aspiration hazard : Category 1
Specific target organ toxicity - single exposure : Category 3 (respiratory tract irritation)
Reproductive toxicity : Category 2
Specific target organ toxicity - repeated exposure : Category 1 (Auditory organ)
Short-term (acute) aquatic hazard : Category 2
Long-term (chronic) aquatic hazard : Category 3

GHS label elements

MasterSeal SL 180LIQ

Version	Revision Date:	SDS Number:	Date of last issue: 11/18/2020
1.1	01/27/2021	000000260148	Date of first issue: 11/18/2020

Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	<p>H226 Flammable liquid and vapour. H319 Causes serious eye irritation. H315 Causes skin irritation. H304 May be fatal if swallowed and enters airways. H335 May cause respiratory irritation. H361d Suspected of damaging the unborn child. H372 Causes damage to organs (Auditory organ) through prolonged or repeated exposure. H401 Toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.</p>
Precautionary Statements	:	<p>Prevention:</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P271 Use only outdoors or in a well-ventilated area. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe dust or mist. P273 Avoid release to the environment. P243 Take action to prevent static discharges. P201 Obtain special instructions before use. P241 Use explosion-proof electrical/ ventilating/ lighting equipment. P202 Do not handle until all safety precautions have been read and understood. P264 Wash face, hands and any exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P242 Use only non-sparking tools. P240 Ground and bond container and receiving equipment.</p> <p>Response:</p> <p>P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor. 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. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention.</p>

MasterSeal SL 180LIQ

Version	Revision Date:	SDS Number:	Date of last issue: 11/18/2020
1.1	01/27/2021	00000260148	Date of first issue: 11/18/2020

P331 Do NOT induce vomiting.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 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.
 P233 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 : polyester resin

Components

Chemical name	CAS-No.	Concentration (% w/w)
styrene	100-42-5	>= 25 - < 50

SECTION 4. FIRST AID MEASURES

General advice : First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

If inhaled : If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

In case of skin contact : After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

In case of eye contact : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. If eye irritation persists, consult a specialist.

If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed : May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Suspected of damaging the unborn child.

MasterSeal SL 180LIQ

Version	Revision Date:	SDS Number:	Date of last issue: 11/18/2020
1.1	01/27/2021	000000260148	Date of first issue: 11/18/2020

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
- Specific hazards during fire fighting : See SDS section 10 - Stability and reactivity.
- Hazardous combustion products : harmful vapours
nitrogen oxides
fumes/smoke
carbon black
carbon oxides
- Further information : The degree of risk is governed by the burning substance and the fire conditions.
If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.
- Special protective equipment for fire-fighters : Wear a self-contained breathing apparatus.
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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Do not breathe vapour/aerosol/spray mists.
Wear eye/face protection.
If exposed to high vapour concentration, leave area immediately.
Use personal protective clothing.
Handle in accordance with good building materials hygiene and safety practice.
- Environmental precautions : Contain contaminated water/firefighting water.
Do not discharge into drains/surface waters/groundwater.
- 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 / national regulations (see section 13).
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MasterSeal SL 180LIQ

Version	Revision Date:	SDS Number:	Date of last issue: 11/18/2020
1.1	01/27/2021	000000260148	Date of first issue: 11/18/2020

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). 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 application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.
- 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 storage 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.
- Recommended storage temperature : > 32 °F / > 0 °C
- Further information on storage stability : PROTECT FROM FREEZING.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
styrene	100-42-5	STEL value	40 ppm	ACGIHTLV
		TWA value	20 ppm	ACGIHTLV
		STEL value	100 ppm 425 mg/m ³	NIOSH
		REL value	50 ppm 215 mg/m ³	NIOSH
		TWA value	50 ppm	29 CFR

MasterSeal SL 180LIQ

Version 1.1 Revision Date: 01/27/2021 SDS Number: 000000260148 Date of last issue: 11/18/2020
 Date of first issue: 11/18/2020

			215 mg/m ³	1910.1000 (Table Z-1-A)
		STEL value	100 ppm 425 mg/m ³	29 CFR 1910.1000 (Table Z-1-A)
		TWA value	100 ppm	29 CFR 1910.1000 (Table Z-2)
		max. conc.	600 ppm	29 CFR 1910.1000 (Table Z-2)
		CLV	200 ppm	29 CFR 1910.1000 (Table Z-2)
		TWA	50 ppm 215 mg/m ³	NIOSH REL
		ST	100 ppm 425 mg/m ³	NIOSH REL
		TWA	100 ppm	OSHA Z-2
		CEIL	200 ppm	OSHA Z-2
		Peak	600 ppm (5 mins. in any 3 hrs.)	OSHA Z-2
		TWA	50 ppm 215 mg/m ³	OSHA P0
		STEL	100 ppm 425 mg/m ³	OSHA P0
		TWA	20 ppm	ACGIH
		STEL	40 ppm	ACGIH

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection

Remarks : Wear chemical resistant protective gloves. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection : Safety glasses with side-shields.

Skin and body protection : Impermeable protective clothing

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.

MasterSeal SL 180LIQ

Version 1.1 Revision Date: 01/27/2021 SDS Number: 000000260148 Date of last issue: 11/18/2020
Date of first issue: 11/18/2020

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 : purple, clear

Odor : pungent odour

Odor Threshold : not determined

pH : Not applicable

Melting point : No applicable information available.

Boiling point : No applicable information available.

Flash point : 90 °F / 32 °C
Method: Standard Method of Test for Flash Point by Setaflash Closed Tester

Evaporation rate : No applicable information available.

Flammability (liquids) : Flammable liquid and vapour.

Upper explosion limit / Upper flammability limit : No applicable information available.

Lower explosion limit / Lower flammability limit : No applicable information available.

Vapor pressure : No applicable information available.

Relative vapor density : No applicable information available.

Relative density : No applicable information available.

Density : approx. 1.13 g/cm³ (77 °F / 25 °C)

Bulk density : Not applicable

Solubility(ies)
Water solubility : insoluble (68 °F / 20 °C)

Solubility in other solvents : No applicable information available.

MasterSeal SL 180LIQ

Version	Revision Date:	SDS Number:	Date of last issue: 11/18/2020
1.1	01/27/2021	000000260148	Date of first issue: 11/18/2020

Partition coefficient: n-octanol/water	:	No data available.
Autoignition temperature	:	914 °F / 490 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, dynamic	:	No applicable information available.
Viscosity, kinematic	:	No applicable information available.
Explosive properties	:	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 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	:	Risk of polymerization. The product is stable if stored and handled as prescribed/indicated. No decomposition if stored and applied as directed. Vapors may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong acids Strong bases Strong oxidizing agents Strong reducing agents
Hazardous decomposition products	:	No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Product:

MasterSeal SL 180LIQ

Version	Revision Date:	SDS Number:	Date of last issue: 11/18/2020
1.1	01/27/2021	000000260148	Date of first issue: 11/18/2020

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.

Serious eye damage/eye irritation

Causes serious eye irritation.

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.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Suspected of damaging the unborn child.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

Causes damage to organs (Auditory organ) through prolonged or repeated exposure.

Aspiration toxicity

May be fatal if swallowed and enters airways.

Further information**Product:**

Remarks : The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Remarks : Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic to aquatic life.

MasterSeal SL 180LIQ

Version	Revision Date:	SDS Number:	Date of last issue: 11/18/2020
1.1	01/27/2021	000000260148	Date of first issue: 11/18/2020

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Persistence and degradability

No data available

Bioaccumulative potential**Components:****styrene:**

Partition coefficient: n-octanol/water : log Pow: 2.96 (77 °F / 25 °C)
Method: Partition coefficient (n-octanol/water), Shake-flask method
Remarks: The data refers to the undissociated form of the substance.

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : 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.
Residues should be disposed of in the same manner as the substance/product.
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****UNRTDG**

UN number : UN 1866
Proper shipping name : RESIN SOLUTION
Class : 3
Packing group : III
Labels : 3

IATA-DGR

UN/ID No. : UN 1866

MasterSeal SL 180LIQ

Version	Revision Date:	SDS Number:	Date of last issue: 11/18/2020
1.1	01/27/2021	000000260148	Date of first issue: 11/18/2020

US State Regulations**Pennsylvania Right To Know**

styrene	100-42-5
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New Jersey Right To Know

styrene	100-42-5
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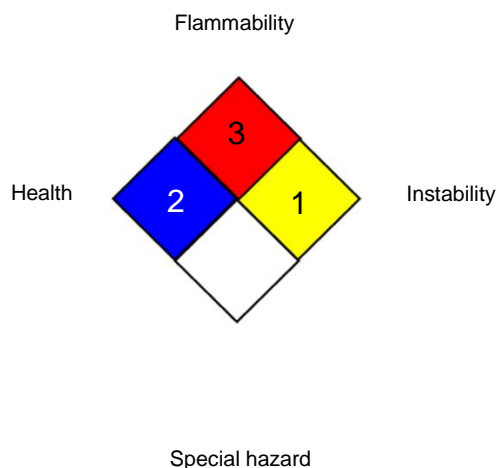
California Prop. 65

WARNING: This product can expose you to chemicals including styrene, 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 substances listed as active on the TSCA inventory

DSL : This product contains one or several components that are not on the Canadian DSL nor NDSL.

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-A)	: OSHA - Table Z-1-A (29 CFR 1910.1000)
29 CFR 1910.1000 (Table Z-2)	: OSHA Table Z-2 (Toxic and Hazardous Substances) 29 CFR 1910.1000
ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIHTLV	: American Conference of Governmental Industrial Hygienists - threshold limit values (US)
NIOSH	: NIOSH Pocket Guide to Chemical Hazards (US)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA P0	: USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

MasterSeal SL 180LIQ

Version	Revision Date:	SDS Number:	Date of last issue: 11/18/2020
1.1	01/27/2021	000000260148	Date of first issue: 11/18/2020

1910.1000
 OSHA Z-2 : USA. Occupational Exposure Limits (OSHA) - Table Z-2
 29 CFR 1910.1000 (Table Z-1-A) / STEL value : Short Term Exposure Limit (STEL):
 29 CFR 1910.1000 (Table Z-1-A) / TWA value : Time Weighted Average (TWA):
 29 CFR 1910.1000 (Table Z-2) / CLV : Ceiling Limit Value:
 29 CFR 1910.1000 (Table Z-2) / TWA value : Time Weighted Average (TWA):
 29 CFR 1910.1000 (Table Z-2) / max. conc. : Maximum concentration:
 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):
 NIOSH / REL value : Recommended exposure limit (REL):
 NIOSH / STEL value : Short Term Exposure Limit (STEL):
 NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
 NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
 OSHA P0 / TWA : 8-hour time weighted average
 OSHA P0 / STEL : Short-term exposure limit
 OSHA Z-2 / TWA : 8-hour time weighted average
 OSHA Z-2 / CEIL : Acceptable ceiling concentration
 OSHA Z-2 / Peak : Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift

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 Harmonized 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

MasterSeal SL 180LIQ

Version	Revision Date:	SDS Number:	Date of last issue: 11/18/2020
1.1	01/27/2021	000000260148	Date of first issue: 11/18/2020

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 : 01/27/2021

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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