

MasterSeal SL 1 NOCAL Lst

Version 1.1 Revision Date: 01/06/2021 SDS Number: 000000700857 Date of last issue: 04/28/2020
Date of first issue: 04/28/2020

SECTION 1. IDENTIFICATION

Product name : MasterSeal SL 1 NOCAL Lst
Product code : 000000000050614130 000000000050614130
Other means of identification : No data available

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

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H227 Combustible liquid.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

MasterSeal SL 1 NOCAL Lst

Version	Revision Date:	SDS Number:	Date of last issue: 04/28/2020
1.1	01/06/2021	000000700857	Date of first issue: 04/28/2020

H317 May cause an allergic skin reaction.
H350 May cause cancer by inhalation.
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.
P201 Obtain special instructions before use.
P260 Do not breathe dust or mist.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 Wash the contact area thoroughly after handling.
P284 In case of inadequate ventilation wear respiratory protection.
P270 Do not eat, drink or smoke when using this product.
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.
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.

Storage:

P405 Store locked up.
P403 Store in a well-ventilated place.

Disposal:

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

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Sealant

Components

MasterSeal SL 1 NOCAL Lst

Version 1.1 Revision Date: 01/06/2021 SDS Number: 000000700857 Date of last issue: 04/28/2020
 Date of first issue: 04/28/2020

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 25 - < 50
Titanium dioxide	13463-67-7	>= 3 - < 15
Stoddard solvent	8052-41-3	>= 1 - < 3
calcium oxide	1305-78-8	>= 1 - < 3
Bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexan-1,2-diylbiscarbamate	59719-67-4	>= 1 - < 3
toluene-2,6-diisocyanate	91-08-7	>= 0.3 - < 1
trimethoxy(3-(oxiranylmethoxy)propyl)silane	2530-83-8	>= 0.2 - < 0.3
Quartz (SiO ₂)	14808-60-7	>= 0 - < 0.2
3-Oxazolidineethanol, 2-(1-methylethyl)-, 3,3'-carbonate	145899-78-1	>= 0 - < 0.2
2-ethylhexanoic acid	149-57-5	>= 0 - < 0.1

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
 Show this material safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.
- If inhaled : Call a physician or poison control center immediately.
 If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If on skin, rinse well with water.
 If on clothes, remove clothes.
- In case of eye contact : 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 : Induce vomiting immediately and call a physician.
 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 : May cause an allergic skin reaction.
 Causes serious eye irritation.
 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 May cause cancer.
 Causes damage to organs through prolonged or repeated exposure.
- Notes to physician : Treat symptomatically.

MasterSeal SL 1 NOCAL Lst

Version Revision Date: SDS Number: Date of last issue: 04/28/2020
1.1 01/06/2021 000000700857 Date of first issue: 04/28/2020

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Foam
Water spray
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : water jet
- Hazardous combustion products : harmful vapours
nitrogen oxides
fumes/smoke
carbon black
- Further information : For safety reasons in case of fire, cans should be stored separately 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 necessary.
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
- 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 / national regulations (see section 13).
Keep in suitable, closed containers for disposal.
-

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Product is not explosive.
- 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.
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MasterSeal SL 1 NOCAL Lst

Version	Revision Date:	SDS Number:	Date of last issue: 04/28/2020
1.1	01/06/2021	000000700857	Date of first issue: 04/28/2020

Smoking, eating and drinking should be prohibited in the application 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 in a well-ventilated place.
 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.
- Materials to avoid : Observe TRGS 509/510 storage rules.
- Further information on storage stability : No decomposition if stored and applied as directed.

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
		(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 (Inhal-	0.001 ppm	ACGIH

MasterSeal SL 1 NOCAL Lst

Version 1.1 Revision Date: 01/06/2021 SDS Number: 000000700857 Date of last issue: 04/28/2020
 Date of first issue: 04/28/2020

		able fraction and vapor)		
		STEL (Inhalable fraction and vapor)	0.005 ppm	ACGIH
2-ethylhexanoic acid	149-57-5	TWA value (Inhalable fraction and vapor)	5 mg/m3	ACGIHTLV
		TWA	5 mg/m3	CA AB OEL
		TWA (Vapour and inhalable aerosols)	5 mg/m3	CA BC OEL
		TWA (Inhalable fraction and vapor)	5 mg/m3	ACGIH
calcium oxide	1305-78-8	TWA value	2 mg/m3	ACGIHTLV
		REL value	2 mg/m3	NIOSH
		PEL	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	2 mg/m3	CA AB OEL
		TWA	2 mg/m3	CA BC OEL
		TWAEV	2 mg/m3	CA QC OEL
		TWA	2 mg/m3	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 (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

SAFETY DATA SHEET

MasterSeal SL 1 NOCAL Lst

Version 1.1 Revision Date: 01/06/2021 SDS Number: 000000700857 Date of last issue: 04/28/2020
 Date of first issue: 04/28/2020

Titanium dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTLV
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (Total dust)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		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	10 mg/m3 (Titanium dioxide)	ACGIH
Quartz (SiO2)	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
		TWA value	0.05 mg/m3 (Respirable dust)	29 CFR 1910.1001-1050
		OSHA Action level	0.025 mg/m3 (Respirable dust)	29 CFR 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 (Respirable)	0.025 mg/m3 (Silica)	CA BC OEL
		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH
Stoddard solvent	8052-41-3	TWA value	100 ppm	ACGIHTLV
		REL value	350 mg/m3	NIOSH
		Ceil_Time	1,800 mg/m3	NIOSH
		PEL	500 ppm 2,900 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	100 ppm 525 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	100 ppm	CA AB OEL

MasterSeal SL 1 NOCAL Lst

Version 1.1 Revision Date: 01/06/2021 SDS Number: 000000700857 Date of last issue: 04/28/2020
 Date of first issue: 04/28/2020

			572 mg/m3	
		TWA	290 mg/m3	CA BC OEL
		STEL	580 mg/m3	CA BC OEL
		TWAEV	100 ppm	CA QC OEL
			525 mg/m3	
		TWA	525 mg/m3	CA ON OEL
		TWA	100 ppm	ACGIH

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

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) respirator as necessary.

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
 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 dust/fumes/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 : light gray

Odor : mild

MasterSeal SL 1 NOCAL Lst

Version	Revision Date:	SDS Number:	Date of last issue: 04/28/2020
1.1	01/06/2021	000000700857	Date of first issue: 04/28/2020

pH	:	neutral
Melting point	:	No applicable information available.
Freezing point	:	No applicable information available.
Boiling point	:	No applicable information available.
Flash point	:	85 °C
		Method: Standard Method of Test for Flash Point by Setaflash Closed Tester, closed cup 185 °F
		Method: Standard Method of Test for Flash Point by Setaflash Closed Tester, closed cup
Evaporation rate	:	No applicable information available.
Flammability (solid, gas)	:	No applicable information available.
Self-ignition	:	not self-igniting
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	:	11.3 lb/USg (25 °C)
Solubility(ies)		
Water solubility	:	No data available
Solubility in other solvents	:	No applicable information available.
Partition coefficient: n-octanol/water	:	No applicable information available.
Autoignition temperature	:	No data available
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, dynamic	:	No applicable information available.
Viscosity, kinematic	:	No applicable information available.

MasterSeal SL 1 NOCAL Lst

Version 1.1 Revision Date: 01/06/2021 SDS Number: 000000700857 Date of last issue: 04/28/2020
Date of first issue: 04/28/2020

Explosive properties : Not explosive

Oxidizing properties : Not an oxidizer.

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 reactions : 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:

Acute oral toxicity : Remarks: No applicable information available.

Acute dermal toxicity : Remarks: No applicable information available.

Skin corrosion/irritation

Not classified based on available information.

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.

MasterSeal SL 1 NOCAL Lst

Version 1.1 Revision Date: 01/06/2021 SDS Number: 000000700857 Date of last issue: 04/28/2020
Date of first issue: 04/28/2020

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.

Product:

Remarks : Causes sensitization.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

May cause cancer.

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 : No data available

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

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Persistence and degradability**Product:**

Biodegradability : Remarks: Taking into consideration the properties of several ingredients, the product is estimated not to be readily biodegradable according to OECD classification.

MasterSeal SL 1 NOCAL Lst

Version 1.1 Revision Date: 01/06/2021 SDS Number: 000000700857 Date of last issue: 04/28/2020
Date of first issue: 04/28/2020

Components:**Quartz (SiO₂):**

Biodegradability : Remarks: Not applicable

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available.
Discharge into the environment must be avoided.

Components:**Stoddard solvent:**

Partition coefficient: n-octanol/water : log Pow: 3.5 - 6.4 (20 °C)
Method: Partition coefficient (n-octanol/water), HPLC method.

Bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexan-1,2-diylbiscarbamate:

Partition coefficient: n-octanol/water : log Pow: 2.92 (25 °C)
Method: other (calculated)

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 : 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.

MasterSeal SL 1 NOCAL Lst

Version	Revision Date:	SDS Number:	Date of last issue: 04/28/2020
1.1	01/06/2021	000000700857	Date of first issue: 04/28/2020

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 : This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.

3-Oxazolidineethanol, 2-(1-methylethyl)-, 3,3'-carbonate

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**

29 CFR 1910.1000 (Table Z-1-A)	: OSHA - Table Z-1-A (29 CFR 1910.1000)
29 CFR 1910.1000 (Table Z-1)	: 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)
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.

MasterSeal SL 1 NOCAL Lst

Version	Revision Date:	SDS Number:	Date of last issue: 04/28/2020
1.1	01/06/2021	000000700857	Date of first issue: 04/28/2020

CA QC OEL : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants

NIOSH : NIOSH Pocket Guide to Chemical Hazards (US)

29 CFR 1910.1000 (Table Z-1-A) / TWA value : Time Weighted Average (TWA):

29 CFR 1910.1000 (Table Z-1) / PEL : Permissible exposure limit

29 CFR 1910.1001-1050 / OSHA Action level : OSHA Action level:

29 CFR 1910.1001-1050 / TWA value : Time Weighted Average (TWA):

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 / 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 / TWA EV : Time-weighted average exposure value

NIOSH / Ceil_Time : Ceiling Limit Value and Time Period (if specified):

NIOSH / REL value : Recommended exposure limit (REL):

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 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 - Trans-

MasterSeal SL 1 NOCAL Lst

Version	Revision Date:	SDS Number:	Date of last issue: 04/28/2020
1.1	01/06/2021	000000700857	Date of first issue: 04/28/2020

portation 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 : 01/06/2021

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