MasterSeal TX 1 buff

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SECTIO	N 1. IDENTIFICATION			
Proc	luct name	:	MasterSeal TX 1	buff
Proc	duct code	:	00000000005043	3733 00000000050433733
Mar	ufacturer or supplier's	detai	ls	
Con	npany name of supplier		Master Builders-0 US, LLC	Construction Systems
Add	ress	-	23700 CHAGRIN Beachwood OH 4	
Eme	ergency telephone	:	ChemTel: +1-813	-248-0585
Rec	ommended use of the	chemi	cal and restriction	ons on use
Rec	ommended use	:	Product for const	ruction chemicals
Res	trictions on use	:	Reserved for indu	strial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Inhalation - vapour)	:	Category 4
Serious eye damage/eye irritation	:	Category 2A
Respiratory sensitization	:	Category 1
Skin sensitization	:	Category 1
Carcinogenicity	:	Category 2
Specific target organ toxicity - repeated exposure	:	Category 1 (Central nervous system)
GHS label elements		
Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H332 Harmful if inhaled. H319 Causes serious eye irritation.

Precautional	ry Statements	H351 Suspected of H372 Causes dama through prolonged of Prevention: P280 Wear protection face protection. P271 Use only outd P260 Do not breath P201 Obtain specia P261 Avoid breathir P202 Do not handle and understood.	ge to organs (Central nervous system) or repeated exposure. ve gloves/ protective clothing/ eye protectio oors or in a well-ventilated area.
Precautionar	ry Statements	P280 Wear protection face protection. P271 Use only outd P260 Do not breath P201 Obtain specia P261 Avoid breathir P202 Do not handle and understood.	oors or in a well-ventilated area. e dust or mist. l instructions before use. ng dust/ fume/ gas/ mist/ vapours/ spray.
		tion. P270 Do not eat, dri P264 Wash face, ha handling.	dequate ventilation wear respiratory protec- ink or smoke when using this product. ands and any exposed skin thoroughly after
		CENTER/ doctor. P305 + P351 + P33 for several minutes. to do. Continue rinsi P304 + P340 IF INF keep comfortable fo P314 Get medical a P303 + P352 IF ON and water. P362 + P364 Take o reuse.	IALED: Remove person to fresh air and
		Storage: P405 Store locked u	ıp.
		Disposal: P501 Dispose of con waste collection poin	ntents/container to appropriate hazardous nt.
Other hazar No data avai			

Chemical nature

: Sealant

Components

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Chem	nical name	CAS-No.	Concentration (% w/w)
Limes	stone	1317-65-3	> 10 - < 15
Titani	um dioxide	13463-67-7	>= 3 - < 5
talc		14807-96-6	>= 1 - < 3
Stodd	lard solvent	8052-41-3	>= 1 - < 3
calciu	ım oxide	1305-78-8	>= 1 - < 3
trimet	hoxy(3-	2530-83-8	>= 0.3 - < 1
(oxira	nylmethoxy)propyl)sil	ane	
	ne-2,6-diisocyanate	91-08-7	>= 0.3 - < 1

SECTION 4. FIRST AID MEASURES

General advice	:	Remove contaminated clothing.
		Move out of dangerous area. Show this material safety data sheet to the doctor in attend- ance. Do not leave the victim unattended.
If inhaled	:	Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.
		Call a physician or poison control center immediately. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	:	Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.
		If on skin, rinse well with water.
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.
		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	:	Rinse mouth and then drink 200-300 ml of water. Do NOT induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.
		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.

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		Take victi	n immediately to hospital.
and	st important symptoms effects, both acute and ayed	Causes se Harmful if May caus ties if inha Suspected	e allergy or asthma symptoms or breathing difficul- led. d of causing cancer. amage to organs through prolonged or repeated
Not	es to physician	: Treat sym	ptomatically.
SECTIO	N 5. FIRE-FIGHTING ME	ASURES	
Suit	able extinguishing media	Foam Dry powde	

Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion prod- ucts	:	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.
		Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Special protective equipment for fire-fighters	:	Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
		Wear self-contained breathing apparatus for firefighting if nec- essary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment. 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

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			respective author	rities.
	ods and materials for inment and cleaning up	:	Dike spillage.	
SECTION	7. HANDLING AND ST	OR	AGE	
	e on protection against nd explosion	:	Normal measure	s for preventive fire protection.
Advice	e on safe handling	:	chines. Ensure thorough Avoid aerosol for When handling h be ventilated, and Wear respiratory Danger of burstir Protect against m If bulging of drum puncture to reliev hours before rese Avoid exposure - Avoid contact wit For personal prot Smoking, eating plication area. Provide sufficient Dispose of rinse regulations. Persons suscept	eated product, vapours of the product should d respiratory protection used. protection when spraying. ng when sealed gastight. noisture. n occurs, transfer to well ventilated area, ve pressure, open vent and let stand for 48 ealing. obtain special instructions before use.
Condi	tions for safe storage	:	used. Keep container ti place. Observe label pro	ny process in which this mixture is being ghtly closed in a dry and well-ventilated ecautions. tions / working materials must comply with
				safety standards.
	er information on stor- onditions	:	Keep only in the place. Protect from dire Store protected a	
Mater	ials to avoid	:	Observe VCI stor	rage rules.
Recor peratu	mmended storage tem- ure	:	1 °F / -17 °C	
			118 °F / 48 °C	

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	ner information on stor- stability	: Minimum stora	ge temperature:

Maximum storage temperature:

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
calcium oxide	1305-78-8	TWA value	2 mg/m3	ACGIHTLV
	1303-70-0	REL value	2 mg/m3	NIOSH
		PEL	5 mg/m3	29 CFR
			5 mg/m5	1910.1000
				(Table Z-1)
		TWA value	5 mg/m3	29 CFR
			o mg/mo	1910.1000
				(Table Z-1-A)
		TWA	2 mg/m3	ACGIH
		TWA	2 mg/m3	NIOSH REL
		TWA	5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	OSHA P0
Limestone	1317-65-3	REL value	5 mg/m3	NIOSH
Liniootono		(Respirable)	o mg/mo	
		REL value	10 mg/m3	NIOSH
		(Total)	. eg,e	
		PEL (Respir-	5 mg/m3	29 CFR
		able fraction)	e	1910.1000
		,		(Table Z-1)
		PEL (Total	15 mg/m3	29 CFR
		dust)	Ŭ	1910.1000
				(Table Z-1)
		TWA value	5 mg/m3	29 CFR
		(Respirable		1910.1000
		fraction)		(Table Z-1-A)
		TWA value	15 mg/m3	29 CFR
		(Total dust)		1910.1000
				(Table Z-1-A)
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respir-	5 mg/m3	OSHA Z-1
		able fraction)		
		TWA (Total	15 mg/m3	OSHA P0
		dust)	-	
		TWA (respir-	5 mg/m3	OSHA P0
		able dust		
		fraction)		
		TWA (Res-	5 mg/m3	NIOSH REL
		pirable)	(Calcium car-	
			bonate)	
		TWA (total)	10 mg/m3	NIOSH REL

Ingredients with workplace control parameters

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sion	Revision Date: 09/25/2020	SDS Number: 000000687747	Date of las Date of firs	st issue: 09/25/2020	
				(Calcium car- bonate)	
Titaniu	um dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTL
			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
			TWA (total dust)	15 mg/m3	OSHA Z-1
			TWA (Total dust)	10 mg/m3	OSHA P0
			TWA	10 mg/m3 (Titanium dioxide)	ACGIH
talc		14807-96-6	TWA value (Respirable fraction)	2 mg/m3	ACGIHTL\
			TWA (Dust)	20 Million parti- cles per cubic foot	OSHA Z-3
			TWA (respir- able dust fraction)	2 mg/m3	OSHA P0
			TWA (Res- pirable)	2 mg/m3	NIOSH RE
			TWA	0.1 fibres per cubic centimeter	ACGIH
			TWA (Res- pirable par- ticulate mat- ter)	2 mg/m3	ACGIH
Stodd	ard solvent	8052-41-3	TWA value	100 ppm	ACGIHTL\
			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-
			TWA	100 ppm	ACGIH
			TWA	350 mg/m3	NIOSH RE
			С	1,800 mg/m3	NIOSH RE
			TWA	500 ppm 2,900 mg/m3	OSHA Z-1
			TWA	100 ppm 525 mg/m3	OSHA P0

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
carbon monoxide	630-08-0	TWA value	25 ppm	ACGIHTLV

sion	Revision Date: 09/25/2020	SDS Number: 000000687747	Date of las Date of firs	st issue: - st issue: 09/25/2020	
			REL value	35 ppm 40 mg/m3	NIOSH
			Ceil_Time	200 ppm 229 mg/m3	NIOSH
			PEL	50 ppm 55 mg/m3	29 CFR 1910.1000 (Table Z-1
			TWA value	35 ppm 40 mg/m3	29 CFR 1910.1000 (Table Z-1
			CLV	200 ppm 229 mg/m3	29 CFR 1910.1000 (Table Z-1
			TWA	25 ppm	ÀCGIH
			TWA	35 ppm 40 mg/m3	NIOSH RE
			С	200 ppm 229 mg/m3	NIOSH RE
			TWA	50 ppm 55 mg/m3	OSHA Z-1
			TWA	35 ppm 40 mg/m3	OSHA P0
			С	200 ppm 229 mg/m3	OSHA P0
carbo	n dioxide	124-38-9	TWA value	5,000 ppm	ACGIHTL
			STEL value	30,000 ppm	ACGIHTL\
			REL value	5,000 ppm 9,000 mg/m3	NIOSH
			STEL value	30,000 ppm 54,000 mg/m3	NIOSH
			PEL	5,000 ppm 9,000 mg/m3	29 CFR 1910.1000 (Table Z-1
			TWA value	10,000 ppm 18,000 mg/m3	29 CFR 1910.1000 (Table Z-1
			STEL value	30,000 ppm 54,000 mg/m3	29 CFR 1910.1000 (Table Z-1
			TWA	5,000 ppm	ACGIH
			STEL	30,000 ppm	ACGIH
			TWA	5,000 ppm 9,000 mg/m3	NIOSH RE
			ST	30,000 ppm 54,000 mg/m3	NIOSH RE
			TWA	5,000 ppm 9,000 mg/m3	OSHA Z-1
			TWA	10,000 ppm 18,000 mg/m3	OSHA P0
			STEL	30,000 ppm 54,000 mg/m3	OSHA P0
hydro	gen cyanide	74-90-8	CLV	4.7 ppm	ACGIHTL

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		1		1		
				С	(CN) 4.7 ppm (Cyanide)	ACGIH
				ST	4.7 ppm 5 mg/m3	NIOSH RE
				TWA	10 ppm 11 mg/m3	OSHA Z-1
				STEL	4.7 ppm 5 mg/m3	OSHA P0
Engir	neering measures	:	Provide adeq concentration		ntilation to control	work place
Perso	onal protective equip	ment				
			respirators. When atmosp posure limit (I rators equippo filter can be u change out so For emergend cluding confir piece pressur (SCBA) or a f	oheric levels may PEL or TLV) NIC ed with an orgar sed as long as a chedules are in p cy or non-routine red space entry, re demand self-c	e, high exposure s use a NIOSH-cer contained breathin essure demand su	pational ex- urifying respi- and particulate utions and ituations, in- tified full face- g apparatus
Hand	protection					
	protection emarks	:	vent all skin c prene rubber polyethylene upon conditio The suitability	ontact. Suitable (Neoprene) nitri polyvinylchloride ns of use.	gloves should be materials may inc le rubber (Buna N e (Pylox) butyl rubl orkplace should b ective gloves.	clude chloro-) chlorinated ber depending
Re		:	vent all skin c prene rubber polyethylene upon conditio The suitability with the produ Tightly fitting Wear face sh Eye wash bot Tightly fitting	contact. Suitable (Neoprene) nitri polyvinylchloride ns of use. v for a specific w ucers of the prot safety goggles (ield if splashing tle with pure wa safety goggles	materials may inc le rubber (Buna N e (Pylox) butyl rubl orkplace should b ective gloves. chemical goggles) hazard exists.	elude chloro-) chlorinated ber depending e discussed
Re Eye p	emarks	:	vent all skin c prene rubber polyethylene upon conditio The suitability with the produ Tightly fitting Wear face sh Eye wash bot Tightly fitting Wear face-sh problems. Cover as muc skin contact. Suitable mate saran-coated depending up Choose body	contact. Suitable (Neoprene) nitri polyvinylchloride ns of use. / for a specific w ucers of the prot safety goggles (ield if splashing tle with pure wa safety goggles ield and protecti ch of the expose erials may includ material yon conditions of protection acco	materials may inc le rubber (Buna N e (Pylox) butyl rubl orkplace should b ective gloves. chemical goggles) hazard exists. ter ve suit for abnorm d skin as possible	elude chloro-) chlorinated ber depending e discussed). hal processing to prevent all nt and con-

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		Eye wash four cessible.	tains and safety showers must be easily ac-
			ppropriate PEL or TLV value.
Hygie	ene measures	Remove conta re-use or dispo When using do When using do	othing immediately. minated clothing immediately and clean before ose it if necessary. o not eat or drink. o not smoke. efore breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	paste
Color	:	tan
Odor	:	mild
Odor Threshold	:	No data available
рН	:	neutral
Melting point	:	No applicable information available.
Boiling point	:	No applicable information available.
Flash point	:	does not flash
Evaporation rate	:	No applicable information 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 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	:	9.6 lb/USg (77 °F / 25 °C)

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	bility(ies) /ater solubility	:	insoluble (59 °F	/ 15 °C)
S	olubility in other solvents	:	No applicable inf	ormation available.
	tion coefficient: n- nol/water	:	No applicable inf	ormation available.
Auto	ignition temperature	:	No applicable inf	ormation available.
Deco	omposition temperature	:	No decompositio scribed/indicated	n if stored and handled as pre-
Visco V	osity iscosity, dynamic	:	No applicable inf	ormation available.
V	iscosity, kinematic	:	No applicable inf	ormation available.
Explo	osive properties	:	Not explosive	
Oxid	izing properties	:	Not an oxidizer.	
Self-	heating substances	:	No data available	9
Subli	mation point	:	No applicable inf	ormation available.
Mole	cular weight	:	No data available	9

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No hazardous reactions if stored and handled as pre- scribed/indicated.
		No decomposition if stored and applied as directed.
Chemical stability	:	The product is stable if stored and handled as pre- scribed/indicated.
		No decomposition if stored and applied as directed.
Possibility of hazardous reac- tions	:	Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols. Reacts with acids. Reacts with alkalies. Reacts with amines. Risk of exothermic reaction. Risk of polymerization. Contact with certain rubbers and plastics can cause brittle- ness of the substance/product with subsequent loss in strength. No decomposition if stored and applied as directed.

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Cond	itions to avoid	: Avoid moistu	e.
Incon	npatible materials	: Acids Amines Alcohols Water Alkalines Strong bases	tion 7 - Handling and storage. roducts that react with isocyanates.
produ		: nitrogen oxide Aromatic isoc gases/vapour	yanates
	11. TOXICOLOGICAL	INFORMATION	

Harmful if inhaled.

Product:	

Acute oral toxicity	: Remarks: No applicable information available.
Acute inhalation toxicity	: ATE: 14.8 mg/l Remarks: Determined for vapor
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.

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.

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Germ	cell mutagenicity			
Not c	assified based on av	ailable	information.	
	nogenicity			
	ected of causing cand	er.		
-	oductive toxicity assified based on av	ailable	information.	
STOT	-single exposure			
Not cl	assified based on av	ailable	information.	
	-repeated exposure			
		(Centr	al nervous syste	m) through prolonged or repeated exposure.
•	ation toxicity	- 1 1 -		
	assified based on av	allable	information.	
Furth	er information			
Prod				
Rema	arks	:	No data availab	le
No da	stence and degrada ata available	-		
	cumulative potentia	al		
Com	comutative potentia	al		
		al		
Titan Partiti	oonents:	ai	Remarks: not a	pplicable
Titan Partiti octan talc:	oonents: ium dioxide: ion coefficient: n- ol/water	а । :		
Titan Partiti octan talc: Partiti	oonents: ium dioxide: ion coefficient: n-	ai :	Remarks: not a Remarks: not a	
Titan Partiti octan talc: Partiti octan	oonents: ium dioxide: ion coefficient: n- ol/water ion coefficient: n- ol/water dard solvent:	ai :	Remarks: not a	pplicable
Titan Partiti octan talc: Partiti octan Stode Partiti	oonents: ium dioxide: ion coefficient: n- ol/water ion coefficient: n- ol/water	ai : :	Remarks: not a log Pow: 3.5 - 6	pplicable 5.4 (68 °F / 20 °C)
Titan Partiti octan talc: Partiti octan Stodo Partiti octan	ium dioxide: ium dioxide: ion coefficient: n- ol/water ion coefficient: n- ol/water dard solvent: ion coefficient: n- ol/water um oxide:	ai : :	Remarks: not a log Pow: 3.5 - 6 Method: Partitio	pplicable 3.4 (68 °F / 20 °C) on coefficient (n-octanol/water), HPLC method.
Titan Partiti octan talc: Partiti octan Stode Partiti octan Calcie Partiti	oonents: ium dioxide: ion coefficient: n- ol/water ion coefficient: n- ol/water dard solvent: ion coefficient: n- ol/water	ai : :	Remarks: not a log Pow: 3.5 - 6 Method: Partitio	pplicable 6.4 (68 °F / 20 °C) on coefficient (n-octanol/water), HPLC method. value has not been determined because the
Titan Partiti octan talc: Partiti octan Stode Partiti octan Partiti octan	ium dioxide: ium dioxide: ion coefficient: n- ol/water ion coefficient: n- ol/water dard solvent: ion coefficient: n- ol/water um oxide: ion coefficient: n-	:	Remarks: not a log Pow: 3.5 - 6 Method: Partitic Remarks: The v substance is inc	pplicable 6.4 (68 °F / 20 °C) on coefficient (n-octanol/water), HPLC method value has not been determined because the

/ersion .0	Revision Date: 09/25/2020	SDS Number: 00000068774	Date of last issue: - Date of first issue: 09/25/2020
octano	bl/water		her (calculated) unmeasurable
toluer	ne-2,6-diisocyanate:		
	on coefficient: n- bl/water	: log Pow: 3 Method: ot	.74 her (calculated)
Mobil	ity in soil		
No da	ta available		
Other	adverse effects		
Produ	<u>ict:</u>		
Addition mation	onal ecological infor- า	harmful to The produ	high probability that the product is not acutely aquatic organisms. It has not been tested. The statements on ecotoxi- e been derived from the properties of the individual ts.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Do not contaminate ponds, waterways or ditches with chemi- cal or used container. Dispose of in accordance with national, state and local regula- tions. 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 sub- stance/product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

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

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

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SAR	A 313		omponents are subject to reporting levels es- ARA Title III, Section 313:
		toluene-2,6- diisocyanate	91-08-7
US S	tate Regulations		
Penn	sylvania Right To K calcium oxide Limestone Titanium dioxide talc Stoddard solven		1305-78-8 1317-65-3 13463-67-7 14807-96-6 8052-41-3
Now		nylene diisocyanate	584-84-9
	Jersey Right To Kno calcium oxide Limestone Titanium dioxide talc Stoddard solven toluene-2,6-diisc	t	1305-78-8 1317-65-3 13463-67-7 14807-96-6 8052-41-3 91-08-7

California Prop. 65

WARNING: This product can expose you to chemicals including toluene-2,6-diisocyanate, which is/are known to the State of California to cause cancer, and methanol, which is/are known to the State of California to cause birth defects or other reproduc-

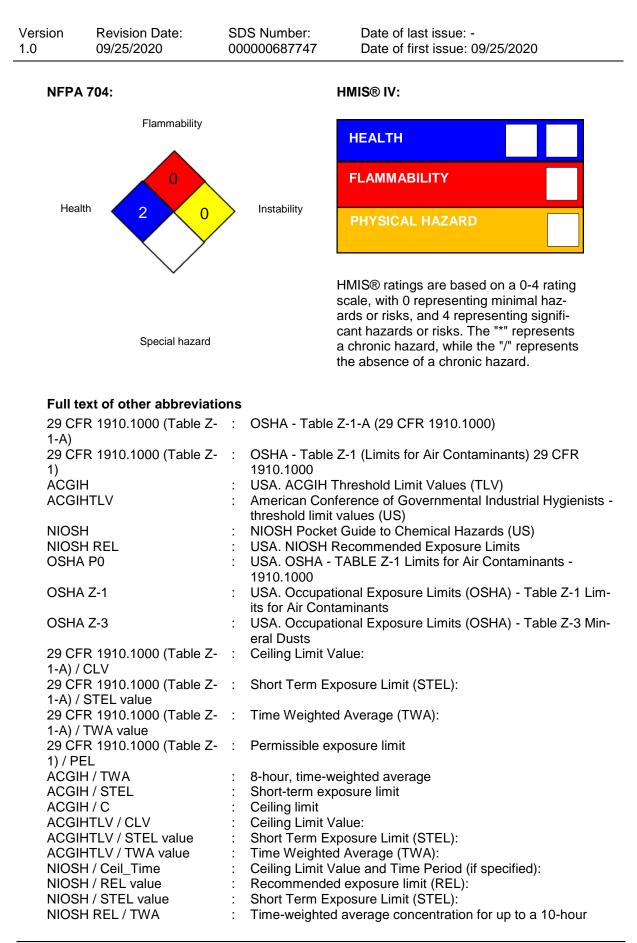
tive harm. For more information go to www.P65Warnings.ca.gov.

The ingredients of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information



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	H REL / ST	: STEL - 15-mir at any time du	g a 40-hour workweek hute TWA exposure that should not be exceeded iring a workday	
NIOSH REL / C OSHA P0 / TWA OSHA P0 / STEL OSHA P0 / C OSHA Z-1 / TWA OSHA Z-3 / TWA		: 8-hour time w : Short-term ex : Ceiling limit : 8-hour time w	 Ceiling value not be exceeded at any time. 8-hour time weighted average Short-term exposure limit Ceiling limit 8-hour time weighted average 8-hour time weighted average 	

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 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

: 09/25/2020

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