

## MasterSeal TC 295 PART B

Version 1.0      Revision Date: 12/12/2020      SDS Number: 000000702590      Date of last issue: -  
Date of first issue: 12/12/2020

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**SECTION 1. IDENTIFICATION**

Product name : MasterSeal TC 295 PART B  
Product code : 000000000050502725 000000000050502725

**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

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**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200**

Serious eye damage/eye irritation : Category 2A  
Flammable liquids : Category 3  
Acute toxicity (Inhalation) : Category 2  
Skin corrosion/irritation : Category 2  
Skin sensitization : Category 1  
Respiratory sensitization : Category 1  
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)  
Long-term (chronic) aquatic hazard : Category 3  
Short-term (acute) aquatic hazard : Category 3

**GHS label elements**

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H315 Causes skin irritation.

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H330 Fatal if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

## 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.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 Avoid release to the environment.  
P284 In case of inadequate ventilation wear respiratory protection.  
P243 Take action to prevent static discharges.  
P241 Use explosion-proof [electrical/ ventilating/ lighting/ .?] equipment.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P264 Wash face, hands and any exposed skin thoroughly after handling.  
P242 Use only non-sparking tools.  
P240 Ground and bond container and receiving equipment.

**Response:**

P310 Immediately 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.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
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.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Components

Chemical name	CAS-No.	Concentration (% w/w)
Solvent naphtha (petroleum), light arom.	64742-95-6	>= 0 - < 15
1,2,4-trimethylbenzene	95-63-6	>= 0 - < 15
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9	>= 10 - < 15
Trimethylbenzene	25551-13-7	>= 0 - < 10
mesitylene	108-67-8	>= 0 - < 3
cumene	98-82-8	>= 0 - < 3
xylene	1330-20-7	>= 0 - < 3

## SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
 Consult a physician.  
 Show this material safety data sheet to the doctor in attendance.  
 Symptoms of poisoning may appear several hours later.  
 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 : If skin irritation persists, call a physician.  
 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 : 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.
- 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.

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Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Fatal if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause respiratory irritation.

Notes to physician : Treat symptomatically.

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**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

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 : nitrogen oxides  
fumes/smoke  
carbon black  
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.

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.  
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 : Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Wear self-contained breathing apparatus for firefighting if necessary.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Clear area.  
Ensure adequate ventilation.  
Wear suitable personal protective clothing and equipment.  
Use personal protective equipment.

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Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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 : Dike spillage.

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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**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.  
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 : Provide suitable exhaust ventilation at the processing machines.  
Ensure thorough ventilation of stores and work areas.  
Avoid aerosol formation.  
When handling heated product, vapours of the product should be ventilated, and respiratory protection used.  
Wear respiratory protection when spraying.  
Danger of bursting when sealed gastight.  
Protect against moisture.  
If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

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

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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 : Prevent unauthorized access.  
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.
- Materials to avoid : Observe VCI 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
1,2,4-trimethylbenzene	95-63-6	TWA value	25 ppm	ACGIHTLV
		REL value	25 ppm 125 mg/m <sup>3</sup>	NIOSH
		TWA value	25 ppm 125 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA	25 ppm 125 mg/m <sup>3</sup>	NIOSH REL
		TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/m <sup>3</sup>	OSHA P0
cumene	98-82-8	TWA value	50 ppm	ACGIHTLV
		REL value	50 ppm 245 mg/m <sup>3</sup>	NIOSH
		PEL	50 ppm 245 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1)
		TWA value	50 ppm 245 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA	50 ppm	ACGIH
		TWA	50 ppm	NIOSH REL

**SAFETY DATA SHEET**

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			245 mg/m3	
		TWA	50 ppm 245 mg/m3	OSHA Z-1
		TWA	50 ppm 245 mg/m3	OSHA P0
mesitylene	108-67-8	TWA value	25 ppm	ACGIHTLV
		REL value	25 ppm 125 mg/m3	NIOSH
		TWA value	25 ppm 125 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	25 ppm 125 mg/m3	NIOSH REL
		TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/m3	OSHA P0
xylene	1330-20-7	TWA value	100 ppm	ACGIHTLV
		STEL value	150 ppm	ACGIHTLV
		PEL	100 ppm 435 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	100 ppm 435 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		STEL value	150 ppm 655 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		REL value	100 ppm 435 mg/m3	NIOSH
		STEL value	150 ppm 655 mg/m3	NIOSH
		TWA	100 ppm 435 mg/m3	OSHA Z-1
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		STEL	150 ppm 655 mg/m3	OSHA P0
		TWA	100 ppm 435 mg/m3	OSHA P0
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9	TWA value	0.005 ppm	ACGIHTLV
		TWA	0.005 ppm	ACGIH
		TWA	0.005 ppm 0.045 mg/m3	NIOSH REL
		ST	0.02 ppm 0.18 mg/m3	NIOSH REL
		TWA	0.005 ppm	OSHA P0
		STEL	0.02 ppm	OSHA P0
Trimethylbenzene	25551-13-7	TWA value	25 ppm	ACGIHTLV
		TWA value	25 ppm 125 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		REL value	25 ppm	NIOSH

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			125 mg/m3	
		TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/m3	OSHA P0

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

**Personal protective equipment**

**Respiratory protection** : When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.  
 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.  
 For emergency or non-routine, high exposure situations, including confined space entry, use a NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Hand protection

**Remarks** : Chemical resistant protective gloves should be worn to prevent all skin contact. Suitable materials may include chloroprene rubber (Neoprene) nitrile rubber (Buna N) chlorinated polyethylene polyvinylchloride (Pylox) fluoroelastomer (Viton) butyl rubber depending upon conditions of use.  
 The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection** : Tightly fitting safety goggles (chemical goggles).  
 Wear face shield if splashing hazard exists.  
 Eye wash bottle with pure water  
 Tightly fitting safety goggles  
 Wear face-shield and protective suit for abnormal processing problems.

**Skin and body protection** : Cover as much of the exposed skin as possible to prevent all skin contact.  
 Suitable materials may include saran-coated material depending upon conditions of use.  
 Impervious clothing  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**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.



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Wear protective clothing as necessary to prevent contact.  
Eye wash fountains and safety showers must be easily accessible.  
Observe the appropriate PEL or TLV value.

Hygiene measures : Avoid contact with skin, eyes and clothing.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and immediately after handling the product.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Color	: light yellow
Odor	: of the solvent contained in the product
pH	: No data available
Melting point	: No applicable information available.
Boiling point	: approx. 322 °F / 161 °C
Flash point	: 142.7 °F / 61.5 °C
	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.
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	: 1.011 g/cm <sup>3</sup> (73 °F / 23 °C)
Solubility(ies) Water solubility	: No data available

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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.
Explosive properties	:	Not explosive
Oxidizing properties	:	Not an oxidizer.
Sublimation point	:	No applicable information available.

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**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.

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Fatal if inhaled.

**Product:**

Acute oral toxicity	:	Remarks: No applicable information available.
Acute inhalation toxicity	:	ATE: 0.27 mg/l Remarks: Determined for mist
Acute dermal toxicity	:	Remarks: No applicable information available.

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**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**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**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

May cause respiratory irritation.

**STOT-repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Product:**

Study scientifically not justified.

**Further information****Product:**

Remarks : Solvents may degrease the skin.

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

Acute aquatic toxicity : Harmful to aquatic life.

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

**Persistence and degradability**

No data available

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**Bioaccumulative potential****Components:****Solvent naphtha (petroleum), light arom.:**

Partition coefficient: n-octanol/water : log Pow: 3.17  
Method: other (calculated)  
GLP: no

**1,2,4-trimethylbenzene:**

Partition coefficient: n-octanol/water : log Pow: 3.63 (77 °F / 25 °C)  
Method: other (calculated)

**3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate:**

Partition coefficient: n-octanol/water : log Pow: approx. 4.75 (77 °F / 25 °C)  
pH: 7  
Method: other (calculated)  
Remarks: Study scientifically not justified.

**mesitylene:**

Partition coefficient: n-octanol/water : log Pow: 3.42  
Method: other (measured)

**cumene:**

Partition coefficient: n-octanol/water : log Pow: 3.55 (73 °F / 23 °C)  
Method: Partition coefficient (n-octanol/water), Shake-flask method

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of in accordance with national, state and local regulations.  
Do not discharge into drains/surface waters/groundwater.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

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Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

## SECTION 14. TRANSPORT INFORMATION

## International Regulations

## UNRTDG

UN number : UN 2810  
 Proper shipping name : TOXIC LIQUID, ORGANIC, N.O.S.  
 (3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL-ISOCYANAT)  
 Class : 6.1  
 Packing group : II  
 Labels : 6.1

## IATA-DGR

UN/ID No. : UN 2810  
 Proper shipping name : TOXIC LIQUID, ORGANIC, N.O.S.  
 (3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL-ISOCYANAT)  
 Class : 6.1  
 Packing group : II  
 Labels : Toxic  
 Packing instruction (cargo aircraft) : 662  
 Packing instruction (passenger aircraft) : 654

## IMDG-Code

UN number : UN 2810  
 Proper shipping name : TOXIC LIQUID, ORGANIC, N.O.S.  
 (3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL-ISOCYANAT)  
 Class : 6.1  
 Packing group : II  
 Labels : 6.1  
 EmS Code : F-A, S-A  
 Marine pollutant : no

## 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

UN/ID/NA number : UN 2810  
 Proper shipping name : TOXIC LIQUID, ORGANIC, N.O.S.  
 (3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL-ISOCYANAT)  
 Class : 6.1  
 Packing group : II  
 Labels : TOXIC  
 ERG Code : 153  
 Marine pollutant : no

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**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
cumene	98-82-8	5000	500000
xylene	1330-20-7	100	10000
benzene	71-43-2	10	1000

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

1,2,4-trimethylbenzene	95-63-6	0 - 0
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9	0 - 0
cumene	98-82-8	0 - 0

**US State Regulations****Pennsylvania Right To Know**

1,2,4-trimethylbenzene	95-63-6
cumene	98-82-8
mesitylene	108-67-8
xylene	1330-20-7
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9
Trimethylbenzene	25551-13-7
benzene	71-43-2

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

**New Jersey Right To Know**

1,2,4-trimethylbenzene	95-63-6
xylene	1330-20-7
cumene	98-82-8

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

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

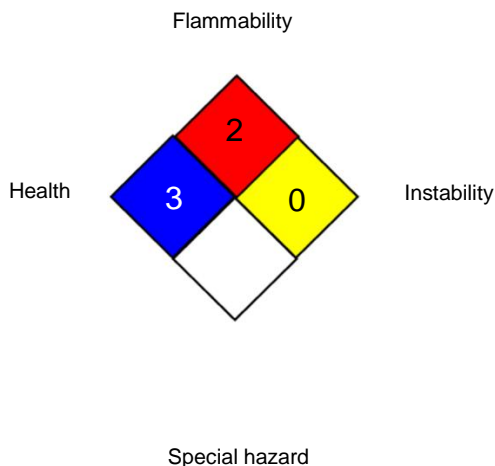
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**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA 704:**



**HMIS® IV:**

<b>HEALTH</b>		
<b>FLAMMABILITY</b>		
<b>PHYSICAL HAZARD</b>		

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-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)
- 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 - 1910.1000
- OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
- 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-1) / PEL : Permissible exposure limit
- 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

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OSHA P0 / TWA : 8-hour time weighted average  
 OSHA P0 / STEL : Short-term exposure limit  
 OSHA Z-1 / TWA : 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

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**MasterSeal TC 295 PART B**

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