

## MasterSeal M 205 SL

Version 1.0      Revision Date: 07/09/2020      SDS Number: 000000722889      Date of last issue: -  
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**SECTION 1. IDENTIFICATION**

Product name : MasterSeal M 205 SL  
Product code : 000000000050681831 000000000050681831  
Other means of identification : MSeal M 205 SL

**Manufacturer or supplier's details**

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

**Recommended use of the chemical and restrictions on use**

Recommended use : Product for construction chemicals  
Water repellent  
Restrictions on use : Reserved for industrial and professional use.

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

Flammable liquids : Category 3  
Acute toxicity (Inhalation - vapour) : Category 3  
Reproductive toxicity : Category 1B  
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 : H226 Flammable liquid and vapour.  
H331 Toxic if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H372 Causes damage to organs (Central nervous system)

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through prolonged or repeated exposure.  
H360 May damage fertility or the unborn child.

## 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/ fume/ gas/ mist/ vapours/ spray.  
P201 Obtain special instructions before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take action to prevent static discharges.  
P202 Do not handle until all safety precautions have been read and understood.  
P284 In case of inadequate ventilation wear respiratory protection.  
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.  
P264 Wash face, hands and any exposed skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P242 Use only non-sparking tools.  
P240 Ground and bond container and receiving equipment.

**Response:**

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P311 Call a POISON CENTER or doctor/ physician.  
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.  
Collect solid spillage.

**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**

CONTAINS ISOCYANATES. INHALATION OF ISOCYANATE MISTS OR VAPORS MAY CAUSE RESPIRATORY IRRITATION, BREATHLESSNESS, CHEST DISCOMFORT AND REDUCED PULMONARY FUNCTION. OVEREXPOSURE WELL ABOVE THE PEL MAY RESULT IN BRONCHITIS, BRONCHIAL SPASMS AND PULMONARY EDEMA. LONG-TERM EXPOSURE TO ISOCYANATES HAS BEEN REPORTED TO CAUSE LUNG DAMAGE, INCLUDING REDUCED LUNG FUNCTION WHICH MAY BE PERMANENT. ACUTE OR

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CHRONIC OVEREXPOSURE TO ISOCYANATES MAY CAUSE SENSITIZATION IN SOME INDIVIDUALS, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. ANIMAL TESTS INDICATE THAT SKIN CONTACT MAY PLAY A ROLE IN CAUSING RESPIRATORY SENSITIZATION.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : polyurethane

## Components

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 0 - < 50
talc	14807-96-6	>= 7 - < 10
4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	98-56-6	>= 5 - < 7
Stoddard solvent	8052-41-3	>= 5 - < 7
Calcium sulphate	7778-18-9	>= 1 - < 3.5
Titanium dioxide	13463-67-7	>= 0 - < 5
4-methyl-m-phenylene diisocyanate	584-84-9	>= 1 - < 3
trimethoxy(3-(oxiranylmethoxy)propyl)silane	2530-83-8	>= 0.3 - < 1
toluene-2,6-diisocyanate	91-08-7	>= 0.2 - < 0.3
dibutyltin dilaurate	77-58-7	>= 0.1 - < 0.2

## 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.  
Take off immediately all contaminated clothing.
- If inhaled : Remove the affected individual into fresh air and keep the person calm.  
Assist in breathing if necessary.  
Immediate medical attention required.
- In case of skin contact : Wash affected areas thoroughly with soap and water.  
If irritation develops, seek medical attention.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
If easy to do, remove contact lens, if worn.  
Seek medical advice.
- 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.
- Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.  
Toxic if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Suspected of causing cancer.

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Notes to physician : May damage fertility or the unborn child.  
Causes damage to organs through prolonged or repeated exposure.  
: Treat symptomatically.

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**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water spray  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Foam

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : nitrous gases  
fumes/smoke  
isocyanate  
vapor

Further information : For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters : Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.  
Ensure adequate ventilation.  
Use personal protective equipment.  
Remove all sources of ignition.  
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.  
If temporary control of isocyanate vapor is required, a blanket of protein foam or other suitable foam (available from most fire departments) may be placed over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal.  
Absorb isocyanate with suitable absorbent material (see § 40 CFR, sections 260, 264 and 265 for further information).  
Shovel into open container.  
Spill area can be decontaminated with the following recom-

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mended decontamination solution:  
 Mixture of 90 % water, 5-8 % household ammonia, 2-5 % detergent.  
 Wash down spill area with decontamination solution.  
 Allow solution to stand for at least 10 minutes.  
 Pick up with suitable absorbent material.  
 Place into appropriately labeled waste containers.  
 Do not make container pressure tight.  
 Move container to a well-ventilated area (outside).  
 Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide.  
 Dispose of absorbed material in accordance with regulations.

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**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : Product is not explosive.

Keep away from open flames, hot surfaces and sources of ignition.  
 Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).  
 Do not spray on a naked flame or any incandescent material.

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.  
 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.  
 Ensure thorough ventilation of stores and work areas.  
 When handling heated product, vapours of the product should be ventilated, and respiratory protection used.  
 Wear respiratory protection when spraying.  
 If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.  
 Protect against moisture.

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.

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Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Observe VCI storage rules.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
dibutyltin dilaurate	77-58-7	TWA value	0.1 mg/m <sup>3</sup> (tin (Sn))	ACGIHTLV
		STEL value	0.2 mg/m <sup>3</sup> (tin (Sn))	ACGIHTLV
		REL value	0.1 mg/m <sup>3</sup> (tin (Sn))	NIOSH
		PEL	0.1 mg/m <sup>3</sup> (tin (Sn))	29 CFR 1910.1000 (Table Z-1)
		TWA value	0.1 mg/m <sup>3</sup> (tin (Sn))	29 CFR 1910.1000 (Table Z-1-A)
		TWA	0.1 mg/m <sup>3</sup> (Tin)	OSHA Z-1
		TWA	0.1 mg/m <sup>3</sup> (Tin)	ACGIH
		STEL	0.2 mg/m <sup>3</sup> (Tin)	ACGIH
		TWA	0.1 mg/m <sup>3</sup> (Tin)	OSHA P0
		TWA	0.1 mg/m <sup>3</sup> (Tin)	NIOSH REL
toluene-2,6-diisocyanate	91-08-7	STEL value (Inhalable fraction and vapor)	0.005 ppm	ACGIHTLV
		Skin Designation (Inhalable fraction and vapor)		ACGIHTLV
		TWA value (Inhalable fraction and vapor)	0.001 ppm	ACGIHTLV
		C	0.02 ppm 0.14 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Inhalable fraction and vapor)	0.001 ppm	ACGIH
		STEL (Inhal-	0.005 ppm	ACGIH

# SAFETY DATA SHEET

**MBCC** GROUP

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		able fraction and vapor)		
		TWA	0.005 ppm 0.04 mg/m3	OSHA P0
		STEL	0.02 ppm 0.15 mg/m3	OSHA P0
4-methyl-m-phenylene diisocyanate	584-84-9	TWA value (Inhalable fraction and vapor)	0.001 ppm	ACGIHTLV
		Skin Designation (Inhalable fraction and vapor)		ACGIHTLV
		STEL value (Inhalable fraction and vapor)	0.005 ppm	ACGIHTLV
		CLV	0.02 ppm 0.14 mg/m3	29 CFR 1910.1000 (Table Z-1)
		C	0.02 ppm 0.14 mg/m3	OSHA Z-1
		TWA (Inhalable fraction and vapor)	0.001 ppm	ACGIH
		STEL (Inhalable fraction and vapor)	0.005 ppm	ACGIH
		TWA	0.005 ppm 0.04 mg/m3	OSHA P0
		STEL	0.02 ppm 0.15 mg/m3	OSHA P0
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 (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1

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		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Respirable)	5 mg/m3 (Calcium carbonate)	NIOSH REL
		TWA (total)	10 mg/m3 (Calcium carbonate)	NIOSH REL
Calcium sulphate	7778-18-9	TWA value (Inhalable fraction)	10 mg/m3	ACGIHTLV
		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 (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Inhalable particulate matter)	10 mg/m3 (Calcium)	ACGIH
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 (total dust)	15 mg/m3	OSHA Z-1



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		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	ACGIHTLV
		TWA (Dust)	20 Million particles per cubic foot	OSHA Z-3
		TWA (respirable dust fraction)	2 mg/m3	OSHA P0
		TWA (Respirable)	2 mg/m3	NIOSH REL
		TWA	0.1 fibres per cubic centimeter	ACGIH
		TWA (Respirable particulate matter)	2 mg/m3	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	ACGIH
		TWA	350 mg/m3	NIOSH REL
		C	1,800 mg/m3	NIOSH REL
		TWA	500 ppm 2,900 mg/m3	OSHA Z-1
		TWA	100 ppm 525 mg/m3	OSHA P0

**Engineering measures** : Provide local exhaust ventilation to maintain recommended P.E.L.

**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

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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) butyl rubber fluoroelastomer (Viton) 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.
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	:	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. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Wash soiled clothing immediately.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	liquid
Color	:	gray
Odor	:	aromatic, solvent
Odor Threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Boiling range	:	428 - 572 °F / 220 - 300 °C
Flash point	:	120.7 °F / 49.3 °C  Method: Flash-Point by Pensky-Martens Closed Cup Tester.
Evaporation rate	:	No applicable information available.
Flammability (solid, gas)	:	Flammable.

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Method: derived from flash point

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

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

Vapor pressure : No data available

Relative vapor density : No applicable information available.

Relative density : No applicable information available.

Density : approx. 1.2500 g/cm<sup>3</sup> (68 °F / 20 °C)

Bulk density : not applicable

Solubility(ies)

    Water solubility : slightly soluble

    Solubility in other solvents : No applicable information available.

Partition coefficient: n-octanol/water : Not applicable

Autoignition temperature : not determined

Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.

Viscosity

    Viscosity, dynamic : No applicable information available.

    Viscosity, kinematic : No applicable information available.

Oxidizing properties : not determined

Sublimation point : No applicable information available.

Molecular weight : No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions : Reacts with water, with formation of carbon dioxide.  
Risk of bursting.  
Reacts with alcohols.  
Reacts with acids.  
Reacts with alkalis.  
Reacts with amines.  
Risk of exothermic reaction.  
Risk of polymerization.

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Contact with certain rubbers and plastics can cause brittleness of the substance/product with subsequent loss in strength.

Vapors may form explosive mixture with air.

Conditions to avoid	:	Heat, flames and sparks. Avoid moisture.
Incompatible materials	:	Acids Amines Alcohols Water Alkalines Strong bases Substances/products that react with isocyanates.
Hazardous decomposition products	:	nitrogen oxides Aromatic isocyanates gases/vapours

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

Toxic if inhaled.

**Product:**

Acute inhalation toxicity	:	ATE: 9.62 mg/l Remarks: Determined for vapor
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**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Remarks	:	Vapors may cause irritation to the eyes, respiratory system and the skin.
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**Respiratory or skin sensitization****Skin sensitization**

May cause an allergic skin reaction.

**Respiratory sensitization**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Suspected of causing cancer.

**Reproductive toxicity**

May damage fertility or the unborn child.

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**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 : Solvents may degrease the skin.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential****Components:****talc:**

Partition coefficient: n-octanol/water : Remarks: not applicable

**4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Partition coefficient: n-octanol/water : log Pow: 3.6  
Method: other (calculated)  
Remarks: Information taken from reference works and the literature.

**Stoddard solvent:**

Partition coefficient: n-octanol/water : log Pow: 3.5 - 6.4 (68 °F / 20 °C)  
Method: Partition coefficient (n-octanol/water), HPLC method.

**Calcium sulphate:**

Partition coefficient: n-octanol/water : GLP: no  
Remarks: The value has not been determined because the substance is inorganic.

**Titanium dioxide:**

Partition coefficient: n-octanol/water : Remarks: not applicable

**4-methyl-m-phenylene diisocyanate:**

Partition coefficient: n-octanol/water : log Pow: 3.43 (72 °F / 22 °C)  
pH: 7  
Method: Partition coefficient (n-octanol/water), HPLC method.

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GLP: no  
Remarks: Based on data from similar materials

**trimethoxy(3-(oxiranylmethoxy)propyl)silane:**

Partition coefficient: n-octanol/water : log Pow: -0.915  
Method: other (calculated)  
Remarks: unmeasurable

**toluene-2,6-diisocyanate:**

Partition coefficient: n-octanol/water : log Pow: 3.74  
Method: other (calculated)

**dibutyltin dilaurate:**

Partition coefficient: n-octanol/water : log Pow: 3.17 (69.4 °F / 20.8 °C)  
pH: 6.1 - 6.3  
Method: Partition coefficient (n-octanol/water), Shake-flask method  
GLP: yes

**Mobility in soil**

No data available

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

Additional ecological information : No data available  
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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

Waste from residues : Incinerate or dispose of in a licensed facility.  
Do not discharge substance/product into sewer system.  
Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

UN/ID No. : UN 1263  
Proper shipping name : PAINT  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366

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Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1263  
 Proper shipping name : PAINT  
 (4-METHYL-META-PHENYLENEDIISOCYANATE, 2-METHYL-META-PHENYLENEDIISOCYANATE, STODDARD SOLVENT)  
 Class : 3  
 Packing group : III  
 Labels : 3  
 EmS Code : F-E, S-E  
 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 1263  
 Proper shipping name : PAINT, COMBUSTIBLE LIQUID  
 Class : C  
 Packing group : III  
 Labels : Combustible Liquid  
 ERG Code : 128  
 Marine pollutant : no

**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)
4-methyl-m-phenylene diisocyanate	584-84-9	100	9900
toluene-2,6-diisocyanate	91-08-7	100	38460

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

toluene-2,6-diisocyanate      91-08-7

4-methyl-m-phenylene diisocyanate      584-84-9

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

4-methyl-m-phenylene diisocyanate	584-84-9
Limestone	1317-65-3
Calcium sulphate	7778-18-9
Titanium dioxide	13463-67-7
talc	14807-96-6
Stoddard solvent	8052-41-3
carbon black	1333-86-4

**New Jersey Right To Know**

4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	98-56-6
4-methyl-m-phenylene diisocyanate	584-84-9
Limestone	1317-65-3
Calcium sulphate	7778-18-9
Titanium dioxide	13463-67-7
talc	14807-96-6
Stoddard solvent	8052-41-3
toluene-2,6-diisocyanate	91-08-7

**California Prop. 65**

WARNING: This product can expose you to chemicals including 4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene, which is/are known to the State of California to cause cancer, and toluene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

TSCA : All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

DSL : All components of this product are on the Canadian DSL

**TSCA list**

This product contains the following component which is subject to a TSCA § 5(a) proposed Significant New Use Restriction (SNUR):

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

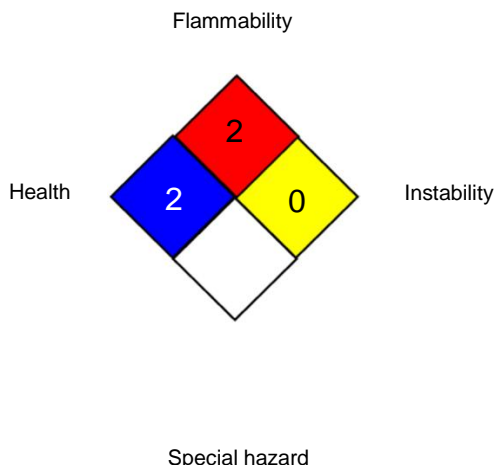
**SECTION 16. OTHER INFORMATION****Further information**



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**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
- OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
- 29 CFR 1910.1000 (Table Z-1-A) / TWA value : Time Weighted Average (TWA):
- 29 CFR 1910.1000 (Table Z-1) / CLV : Ceiling Limit Value:
- 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 / Skin Designation : Skin Designation:
- ACGIHTLV / STEL value : Short Term Exposure Limit (STEL):
- ACGIHTLV / TWA value : Time Weighted Average (TWA):
- NIOSH / Ceil\_Time : Ceiling Limit Value and Time Period (if specified):
- NIOSH / REL value : Recommended exposure limit (REL):
- NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
- NIOSH REL / C : Ceiling value not be exceeded at any time.
- OSHA P0 / TWA : 8-hour time weighted average

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OSHA P0 / STEL	:	Short-term exposure limit
OSHA Z-1 / TWA	:	8-hour time weighted average
OSHA Z-1 / C	:	Ceiling
OSHA Z-3 / 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

BASF CORPORATION WILL NOT MAKE ITS PRODUCTS AVAILABLE TO CUSTOMERS FOR USE IN THE MANUFACTURE OF MEDICAL DEVICES WHICH ARE INTENDED FOR PERMANENT IMPLANTATION IN THE HUMAN BODY OR IN PERMANENT CONTACT WITH INTERNAL BODILY TISSUES OR FLUIDS.

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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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