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#### 1. Identification

#### Product identifier used on the label

# MasterSeal M 200SLV

#### Recommended use of the chemical and restriction on use

Recommended use\*: for industrial and professional users

#### Details of the supplier of the safety data sheet

Company:

BASF CORPORATION 100 Park Avenue Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### **Emergency telephone number**

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

# Other means of identification

Chemical family: No applicable information available.

#### 2. Hazards Identification

### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

Flam. Liq. 3 Flammable liquids Acute Tox. 3 (Inhalation - vapour) Acute toxicity

Resp. Sens.

Skin Sens.

Carc.

Respiratory sensitization
Skin sensitization
Carcinogenicity

STOT RE 1 Specific target organ toxicity — repeated

exposure

#### Label elements

<sup>\*</sup> The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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Pictogram:



#### Signal Word: Danger

**Hazard Statement:** 

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) through prolonged

or repeated exposure.

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/gas/mist/vapours.

P261 Avoid breathing vapours.

P201 Obtain special instructions before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.

P243 Take precautionary measures against static discharge.

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 with plenty of water and soap 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/bond container and receiving equipment.

Precautionary Statements (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, dry powder, foam or carbon dioxide for

extinction.

Precautionary Statements (Storage):

P403 + P235 Store in a well-ventilated place. Keep cool.

P233 Keep container tightly closed.

P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection

point.

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#### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

# 3. Composition / Information on Ingredients

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<b>CAS Number</b>	Weight %	Chemical name
1317-65-3	>= 0.0 - < 50.0%	Limestone
8052-41-3	>= 15.0 - < 20.0%	Stoddard solvent
14807-96-6	>= 7.0 - < 10.0%	talc
584-84-9	>= 0.2 - < 0.3%	toluene-2,4-diisocyanate
7778-18-9	>= 0.0 - < 3.0%	Calcium sulphate
13463-67-7	>= 0.0 - < 3.0%	Titanium dioxide
91-08-7	>= 0.3 - < 1.0%	toluene-2,6-diisocyanate
2530-83-8	>= 0.3 - < 1.0%	trimethoxy(3-(oxiranylmethoxy)propyl)silane
77-58-7	>= 0.1 - < 0.2%	dibutyltin dilaurate
14808-60-7	>= 0.0 - < 0.2%	crystalline silica

#### 4. First-Aid Measures

# **Description of first aid measures**

#### General advice:

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

#### If inhaled:

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

### If on skin:

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

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: Respiratory sensitization may result in allergic (asthma-like) signs in the lower respiratory tract including wheezing, shortness of breath and difficulty breathing, the onset of which may be delayed. Repeated inhalation of high concentrations may cause lung damage, including reduced

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lung function, which may be permanent. Substances eliciting lower respiratory tract irritation may worsen the asthma-like reactions that may be produced by product exposures.

### Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

# 5. Fire-Fighting Measures

# **Extinguishing media**

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons: water jet

#### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

#### Advice for fire-fighters

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

#### **Further information:**

The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

### 6. Accidental release measures

# Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

# **Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

# Methods and material for containment and cleaning up

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

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# 7. Handling and Storage

# Precautions for safe handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

### Conditions for safe storage, including any incompatibilities

No applicable information available.

Suitable materials for containers: Steel with polyethylene liner

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.

# 8. Exposure Controls/Personal Protection

Components with occupational exposure limits				
dibutyltin dilaurate	OSHA PEL	PEL 0.1 mg/m3 (tin (Sn)); TWA value 0.1 mg/m3 (tin (Sn)); SKIN_FINAL (tin (Sn)); The substance can be absorbed through the skin.		
	ACGIH TLV	TWA value 0.1 mg/m3 (tin (Sn)); STEL value 0.2 mg/m3 (tin (Sn)); Skin Designation (tin (Sn)); The substance can be absorbed through the skin.		
toluene-2,6-diisocyanate				
	ACGIH TLV	TWA value 0.005 ppm ; STEL value 0.02 ppm ;		
toluene-2,4-diisocyanate	OSHA PEL	CLV 0.02 ppm 0.14 mg/m3; TWA value 0.005 ppm 0.04 mg/m3; STEL value 0.02 ppm 0.15 mg/m3;		
	ACGIH TLV	TWA value 0.005 ppm ; STEL value 0.02 ppm ;		
Limestone	OSHA PEL	PEL 5 mg/m3 Respirable fraction; PEL 15 mg/m3 Total dust; TWA value 15 mg/m3 Total dust; TWA value 5 mg/m3 Respirable fraction;		
Calcium sulphate	OSHA PEL	PEL 15 mg/m3 Total dust; PEL 5 mg/m3 Respirable fraction; TWA value 15 mg/m3 Total dust; TWA value 5 mg/m3 Respirable fraction;		
	ACGIH TLV	TWA value 10 mg/m3 Inhalable fraction;		
Titanium dioxide	OSHA PEL	PEL 15 mg/m3 Total dust; TWA value 10 mg/m3 Total dust;		
	ACGIH TLV	TWA value 10 mg/m3 ;		

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talc OSHA PEL

TWA value 20 millions of particles per cubic foot of air ; TWA value 2.4 millions of particles per

cubic foot of air Respirable;

The exposure limit is calculated from the equation, 250/(%SiO2+5), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.

TWA value 0.1 mg/m3 Respirable; The exposure limit is calculated from the equation, 10/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.

TWA value 0.3 mg/m3 Total dust; The exposure limit is calculated from the equation, 30/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.

TWA value 2 mg/m3 Respirable dust; TWA value 0.3 mg/m3 Total dust;

The exposure limit is calculated from the equation, 30/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.

TWA value 0.1 mg/m3 Respirable; The exposure limit is calculated from the equation, 10/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.

TWA value 2.4 millions of particles per cubic foot of air Respirable :

The exposure limit is calculated from the equation, 250/(%SiO2+5), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.

TWA value 20 millions of particles per cubic foot of air :

**ACGIH TLV** 

TWA value 2 mg/m3 Respirable fraction; The value is for particulate matter containing no asbestos and <1% crystalline silica.

Stoddard solvent OSHA PEL PEL 500 ppm 2,900 mg/m3;

ACGIH TLV TWA value 100 ppm;

#### 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.

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#### Hand protection:

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.

#### Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

#### **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.

#### General safety and hygiene 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. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

# 9. Physical and Chemical Properties

Form: liquid
Odour: solvent-like

Odour threshold: No applicable information available.

Colour: grey

pH value: neutral to slightly alkaline

Melting point: No applicable information available.

Boiling point: approx. 175 °C

Information on: Stoddard solvent

Boiling range: 220 - 300 °C

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Sublimation point: No applicable information available.

Flash point: 43.3 °C

109.99 °F (ASTM D3278)

Flammability: Flammable.

Lower explosion limit: 1.0 %(V)

Upper explosion limit: 7.0 %(V)

Vapour pressure: The product has not been tested.

Density: 9.75 lb/USg

approx. 1.16 g/cm3

(20°C)

Relative density:

Vapour density:

No applicable information available.

No applicable information available.

No applicable information available.

octanol/water (log Pow):

Thermal decomposition: No decomposition if stored and handled as

prescribed/indicated.

Viscosity, dynamic: approx. 4,000 - 9,000 mPa.s Viscosity, kinematic: No applicable information available.

Solubility in water: (20 °C)

slightly soluble

Miscibility with water: (20 °C)

not soluble

Solubility (quantitative): No applicable information available. Solubility (qualitative): No applicable information available. Evaporation rate: No applicable information available.

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Other Information: If necessary, information on other physical and chemical

parameters is indicated in this section.

# 10. Stability and Reactivity

#### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

#### **Chemical stability**

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

#### Possibility of hazardous reactions

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

#### Conditions to avoid

See MSDS section 7 - Handling and storage.

# Incompatible materials

strong acids, strong bases, strong oxidizing agents, strong reducing agents

#### Hazardous decomposition products

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### **Acute Toxicity/Effects**

# Acute toxicity

Assessment of acute toxicity: Toxic by inhalation.

#### <u>Oral</u>

No applicable information available.

Type of value: ATE Value: > 5,000 mg/kg

### **Inhalation**

Type of value: ATE
Value: 8.26 mg/l
Determined for vapor

#### **Dermal**

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No applicable information available.

Type of value: ATE Value: > 5,000 mg/kg

#### Assessment other acute effects

No applicable information available.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Sensitization

Assessment of sensitization: Sensitization after skin contact possible. The substance may cause sensitization of the respiratory tract. As a result of previous repeated overexposures or a single large dose, certain individuals will develop isocyanate sensitization (chemical asthma) which will cause them to react to a later exposure to isocyanate at levels well below the PEL/TLV. These symptoms, which include chest tightness, wheezing, cough, shortness of breath, or asthmatic attack, could be immediate or delayed up to several hours after exposure. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Chronic overexposure to isocyanates has also been reported to cause lung damage, including a decrease in lung function, which may be permanent. Prolonged contact can cause reddening, swelling, rash, scaling, or blistering. In those who have developed a skin sensitization, these symptoms can develop as a result of contact with very small amounts of liquid material, or even as a result of vapour-only exposure. Animal tests indicate that skin contact may play a role in causing respiratory sensitization.

#### Aspiration Hazard

May be harmful if swallowed and enters airways.

#### **Chronic Toxicity/Effects**

#### Repeated dose toxicity

Assessment of repeated dose toxicity: May cause central nervous system effects. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests.

Information on: toluene-2,4-diisocyanate

Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). NTP listed carcinogen

Information on: toluene-2,6-diisocyanate

Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

#### Information on: Titanium dioxide

Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given

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by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.

Information on: crystalline silica

Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosolsis classified by the German MAK commision as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.

NTP listed carcinogen

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### Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

#### **Teratogenicity**

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

#### Other Information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

#### Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

#### 12. Ecological Information

### **Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

Based on available Data, the classification criteria are not met. There is a high probability that the product is not acutely harmful to aquatic organisms.

#### Persistence and degradability

#### Assessment biodegradation and elimination (H2O)

Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

The polymer component of the product is poorly biodegradable.

#### Bioaccumulative potential

#### Assessment bioaccumulation potential

Discharge into the environment must be avoided.

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### Mobility in soil

Assessment transport between environmental compartments

No data available.

#### **Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

# 13. Disposal considerations

#### Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Residues should be disposed of in the same manner as the substance/product. Do not discharge into drains/surface waters/groundwater.

#### Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

# 14. Transport Information

#### Land transport

**USDOT** 

Hazard class: C Packing group: III

ID number: UN 1263 Hazard label: CBL

Proper shipping name: PAINT, COMBUSTIBLE LIQUID

Classified as combustible liquid in containers greater than 119

gallons.

#### Sea transport

**IMDG** 

Hazard class: 3 Packing group: III

ID number: UN 1263

Hazard label: 3
Marine pollutant: NO
Proper shipping name: PAINT

#### Air transport

IATA/ICAO

Hazard class: 3 Packing group: III

ID number: UN 1263

Hazard label: 3

Proper shipping name: PAINT

#### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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# 15. Regulatory Information

### **Federal Regulations**

Registration status:

Chemical TSCA, US released / listed

TSCA § 5 proposed Significant New Use Restriction (SNUR) This product contains a substance subject to a pending SNUR. 40 CFR 721.10789

**EPCRA 311/312 (Hazard categories):** Acute; Chronic; Fire

**EPCRA 313:** 

CAS Number Chemical name

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

CERCLA RQ<br/>5000 LBSCAS Number<br/>7664-38-2Chemical name<br/>phosphoric acid1000 LBS108-88-3Toluene

100 LBS 584-84-9; 91-08-7 toluene-2,4-diisocyanate; toluene-2,6-diisocyanate

### **State regulations**

State RTK	<b>CAS Number</b>	Chemical name
NJ	1317-65-3	Limestone
	7778-18-9	Calcium sulphate
	13463-67-7	Titanium dioxide
	14807-96-6	talc
	8052-41-3	Stoddard solvent
	91-08-7	toluene-2,6-diisocyanate
	584-84-9	toluene-2,4-diisocyanate
	14808-60-7	crystalline silica
PA	1317-65-3	Limestone
	7778-18-9	Calcium sulphate
	13463-67-7	Titanium dioxide
	14807-96-6	talc
	8052-41-3	Stoddard solvent
	584-84-9	toluene-2,4-diisocyanate

#### **CA Prop. 65:**

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

**NFPA Hazard codes:** 

Health: 3 Fire: 2 Reactivity: 0 Special:

### 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations SDS Prepared on: 2016/03/01

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