

# Safety Data Sheet

## MasterSeal TC 225HT gry also SONOGUARD TOP COAT HT GRAY

Revision date : 2015/05/20  
Version: 2.0

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(30605456/SDS\_GEN\_US/EN)

### 1. Identification

**Product identifier used on the label**

## MasterSeal TC 225HT gry also SONOGUARD TOP COAT HT GRAY

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

Recommended use\*: for industrial and professional users

\* 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.

**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 data available.

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### 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
Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Resp. Sens.	1	Respiratory sensitization
Skin Sens.	1	Skin sensitization

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Repr.	1B (fertility)	Reproductive toxicity
Repr.	1B (unborn child)	Reproductive toxicity
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic

### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H331	Toxic if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H304	May be fatal if swallowed and enters airways.
H360	May damage fertility. May damage the unborn child.
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 mist or vapour.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P243	Take precautionary measures against static discharge.
P284	[In case of inadequate ventilation] wear respiratory protection.
P202	Do not handle until all safety precautions have been read and understood.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P264	Wash with plenty of water and soap thoroughly after handling.
P242	Use only non-sparking tools.
P240	Ground/bond container and receiving equipment.

Precautionary Statements (Response):

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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 + P341 + P311	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P311	IF exposed or concerned: Call a POISON CENTER or doctor/physician.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333 + P311	If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.
P362 + P364	Take off contaminated clothing and wash before reuse.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P370 + P378	In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder or water spray 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

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
5124-30-1	>= 10.0 - < 15.0%	4,4'-methylenedicyclohexyl diisoncyanate
77-58-7	>= 0.3 - < 1.0%	dibutyltin dilaurate
41556-26-7	>= 0.3 - < 1.0%	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate
82919-37-7	>= 0.1 - < 0.2%	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
7778-18-9	>= 0.0 - < 7.0%	Calcium sulphate
13463-67-7	>= 0.0 - < 7.0%	Titanium dioxide
14807-96-6	>= 10.0 - < 15.0%	talc
8052-41-3	>= 15.0 - < 20.0%	Stoddard solvent

## 4. First-Aid Measures

### Description of first aid measures

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### General advice:

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

### If inhaled:

Remove victim to fresh air and away from exposure immediately. If not breathing, give artificial respiration. 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:

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting unless told to by a poison control center or doctor. If person is conscious and can swallow, give two glasses of water.

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

Symptoms: allergic symptoms

Hazards: No applicable information available.

### 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.

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## 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:

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

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### Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. 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 contact with the skin, eyes and clothing. Ensure thorough ventilation of stores and work areas.

### Conditions for safe storage, including any incompatibilities

No applicable information available.

Suitable materials for containers: tinned carbon steel (Tinplate)

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

Protect from temperatures below: 0 °C

The packed product must be protected from temperatures below the indicated one.

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## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

dibutyltin dilaurate	OSHA PEL	PEL 0.1 mg/m <sup>3</sup> (tin (Sn)); TWA value 0.1 mg/m <sup>3</sup> (tin (Sn)); SKIN_FINAL (tin (Sn)); The substance can be absorbed through the skin.
	ACGIH TLV	TWA value 0.1 mg/m <sup>3</sup> (tin (Sn)); STEL value 0.2 mg/m <sup>3</sup> (tin (Sn)); Skin Designation (tin (Sn)); The substance can be absorbed through the skin.
4,4'-methylenedicyclohexyl diisoncyanate	OSHA PEL ACGIH TLV	CLV 0.01 ppm 0.11 mg/m <sup>3</sup> ; TWA value 0.005 ppm ;

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Calcium sulphate	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 ;
	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 ;
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, $250/(\%SiO_2+5)$ , 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, $10/(\%SiO_2+2)$ , 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, $30/(\%SiO_2+2)$ , 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, $30/(\%SiO_2+2)$ , 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, $10/(\%SiO_2+2)$ , 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, $250/(\%SiO_2+5)$ , 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 ;

### Advice on system design:

No applicable information available.

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### Personal protective equipment

#### **Respiratory protection:**

Wear a NIOSH-certified (or equivalent) respirator as necessary.

#### **Hand protection:**

Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

#### **Eye protection:**

Safety glasses with side-shields.

#### **Body protection:**

Body protection must be chosen based on level of activity and exposure.

#### **General safety and hygiene measures:**

Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Avoid prolonged and/or repeated contact with the skin. Handle in accordance with good building materials hygiene and safety practice. 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).

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## 9. Physical and Chemical Properties

Form:	liquid	
Odour:	solvent-like	
Odour threshold:	No applicable information available.	
Colour:	various colours	
pH value:	not applicable	
Boiling point:	approx. 105.56 - 260 °C	
Sublimation point:	No applicable information available.	
Flash point:	41 °C	(ASTM D3278)
	105.8 °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:	approx. 1.107 g/cm <sup>3</sup> ( 20 °C) 9.23 lb/USg ( 20 °C)	
Vapour density:	Heavier than air.	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, kinematic:	No applicable information available.	
Solubility in water:	( 20 °C) slightly soluble	
Miscibility with water:	( 20 °C) immiscible	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	

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### 10. Stability and Reactivity

#### Reactivity

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

#### 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

#### Incompatible materials

strong acids, strong bases, strong oxidizing 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: Of high toxicity after short-term inhalation. Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: 4,4'-methylenedicyclohexyl diisocyanate*

*Assessment of acute toxicity: Of high toxicity after short-term inhalation. Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.*

*Inhalation of diisocyanates may cause irritation of the mucous membranes of the nose, throat or trachea, breathlessness, chest discomfort, difficult breathing and reduced pulmonary function. High airborne concentrations may result additionally in eye irritation, headache, chemical bronchitis, asthma-like symptoms or pulmonary edema. Isocyanates have also been reported to cause hypersensitivity pneumonitis, which is characterized by flu-like symptoms, the onset of which may be delayed. Symptoms include nausea, vomiting and abdominal pain.*

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##### Oral

No applicable information available.

##### Inhalation

No applicable information available.



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### Dermal

No applicable information available.

### Irritation / corrosion

Assessment of irritating effects: Irritating to eyes, respiratory system and skin.

*Information on: 4,4'-methylenedicyclohexyl diisoncyanate*

*Assessment of irritating effects: Irritating to eyes and skin.*

### Sensitization

Assessment of sensitization: Sensitization after skin contact possible. The substance may cause sensitization of the respiratory tract. Studies in animals suggest that dermal exposure may lead to pulmonary sensitization. However, the relevance of this result for humans is unclear.

*Information on: 4,4'-methylenedicyclohexyl diisoncyanate*

*Assessment of sensitization:*

*The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.*

### Aspiration Hazard

May also damage the lung at swallowing (aspiration hazard).

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: The substance may cause damage to the upper respiratory tract after repeated inhalation, as shown in animal studies.

*Information on: 4,4'-methylenedicyclohexyl diisoncyanate*

*Assessment of repeated dose toxicity: Acute or chronic overexposures to isocyanates may cause sensitization in some individuals, resulting in allergic symptoms of the lower respiratory tract (asthma-like), including wheezing, shortness of breath and difficulty breathing. Subsequent reactions may occur at or substantially below the PEL and TLV. Asthma caused by isocyanates may persist in some individuals after removal from exposure and may be irreversible.*

### Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

Indication of possible carcinogenic effect in animal tests. However, the relevance of this result for humans is unclear.

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

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### Other Information

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: 4,4'-methylenedicyclohexyl diisoncyanate  
development of pulmonary edema*  
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### **Symptoms of Exposure**

allergic symptoms

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## 12. Ecological Information

### **Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Aquatic toxicity

*Information on: 4,4'-methylenedicyclohexyl diisoncyanate*

*Assessment of aquatic toxicity:*

*Acutely toxic for aquatic organisms. Depending on local conditions and existing concentrations, disturbances in the biodegradation process of activated sludge are possible. The product has not been tested. The statement has been derived from the properties of the hydrolysis products.*  
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### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O)

Not readily biodegradable (by OECD criteria).

### **Mobility in soil**

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is expected.

### **Additional information**

Other ecotoxicological advice:

Do not release untreated into natural waters. Do not allow to enter soil, waterways or waste water channels. The product has not been tested. The statement has been derived from the properties of the individual components.

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## 13. Disposal considerations

### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations.

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### 14. Transport Information

#### Land transport

USDOT

Hazard class: 3  
Packing group: III  
ID number: UN 1263  
Hazard label: 3  
Proper shipping name: PAINT

#### 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

### 15. Regulatory Information

#### Federal Regulations

##### Registration status:

Chemical TSCA, US released / listed

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

#### CERCLA RQ

5000 LBS  
1000 LBS

#### CAS Number

7664-38-2  
108-88-3

#### Chemical name

phosphoric acid  
Toluene

#### State regulations

##### State RTK

PA

##### CAS Number

13463-67-7  
5124-30-1  
7778-18-9  
14807-96-6  
8052-41-3  
5124-30-1

##### Chemical name

Titanium dioxide  
4,4'-methylenedicyclohexyl diisoncyanate  
Calcium sulphate  
talc  
Stoddard solvent  
4,4'-methylenedicyclohexyl diisoncyanate

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	7778-18-9	Calcium sulphate
	14807-96-6	talc
	13463-67-7	Titanium dioxide
	8052-41-3	Stoddard solvent
NJ	13463-67-7	Titanium dioxide
	5124-30-1	4,4'-methylenedicyclohexyl diisoncyanate
	14807-96-6	talc
	8052-41-3	Stoddard solvent
	7778-18-9	Calcium sulphate

### 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 : 2      Fire: 2      Reactivity: 0      Special:

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations  
SDS Prepared on: 2015/05/20

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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