

# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 1/12  
(30605568/SDS\_GEN\_US/EN)

### 1. Identification

**Product identifier used on the label**

**MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE**

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

Recommended use\*: for industrial use only

\* 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

# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 2/12  
(30605568/SDS\_GEN\_US/EN)

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.
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.
P201	Obtain special instructions before use.
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):

# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 3/12  
(30605568/SDS\_GEN\_US/EN)

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.
P308 + P311	IF exposed or concerned: Call a POISON CENTER or doctor/physician.
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.
P303 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
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.
P370 + P378	In case of fire: Use water spray, dry powder 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.

#### Labeling of special preparations (GHS):

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 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.

### 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 diisocyanate
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 - < 5.0%	Calcium sulphate

# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 4/12  
(30605568/SDS\_GEN\_US/EN)

13463-67-7	>= 0.0 - < 15.0%	Titanium dioxide
14807-96-6	>= 10.0 - < 15.0%	talc
8052-41-3	>= 15.0 - < 20.0%	Stoddard solvent

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### 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 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.

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### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
carbon dioxide, dry powder, water spray

# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 5/12  
(30605568/SDS\_GEN\_US/EN)

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
See MSDS section 7 - Handling and storage.

### 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.

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## 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: tinned carbon steel (Tinplate)

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.

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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.
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# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 6/12  
(30605568/SDS\_GEN\_US/EN)

	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.
4,4'-methylenedicyclohexyl diisoncyanate	OSHA PEL ACGIH TLV	CLV 0.01 ppm 0.11 mg/m3 ; TWA value 0.005 ppm ;
Calcium sulphate	OSHA PEL  ACGIH TLV	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 ; TWA value 10 mg/m3 Inhalable fraction ;
Titanium dioxide	OSHA PEL  ACGIH TLV	PEL 15 mg/m3 Total dust ; TWA value 10 mg/m3 Total dust ; 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 ;

# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 7/12  
(30605568/SDS\_GEN\_US/EN)

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.

### Personal protective equipment

#### Respiratory protection:

No applicable information available.

#### Hand protection:

No applicable information available.

#### Eye protection:

No applicable information available.

#### Body protection:

No applicable information available.

### 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 data available.
Colour:	various colours
pH value:	not applicable
Melting temperature:	No data available.
Boiling point:	105.56 - 260 °C
Sublimation point:	No applicable information available.
Flash point:	105 °F (ASTM D3278)
Flammability:	No applicable information available.
Lower explosion limit:	1.0 %(V)
Upper explosion limit:	7.0 %(V)
Vapour pressure:	The product has not been tested.
Density:	approx. 1.0 g/cm3 ( 20 °C)
Relative density:	1.09
Bulk density:	not applicable
Vapour density:	Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):	No data available.

# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 8/12  
(30605568/SDS\_GEN\_US/EN)

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	No applicable information available.
Solubility (quantitative):	slightly soluble
Solubility (qualitative):	No applicable information available.
Evaporation rate:	No applicable information available.
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.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

#### 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

water, oxidizing agents

#### Hazardous decomposition products

Decomposition products:  
carbon oxides

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: Inhalation of vapours may cause irritation of the mucous membranes of the nose, throat or trachea, breathlessness, chest discomfort, difficult breathing and reduced pulmonary function. Inhalation exposure well above the PEL may result additionally in eye irritation, headache, chemical bronchitis, asthma-like findings or pulmonary edema. Isocyanates have also



# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 9/12  
(30605568/SDS\_GEN\_US/EN)

been reported to cause hypersensitivity pneumonitis, which is characterized by flu-like symptoms, the onset of which may be delayed.

### Oral

No applicable information available.

### Inhalation

No applicable information available.

### Dermal

No applicable information available.

### Assessment other acute effects

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

### Irritation / corrosion

Assessment of irritating effects: Irritating to eyes, respiratory system and skin. Skin contact may result in dermatitis, either irritative or allergic.

### Sensitization

Assessment of sensitization: Sensitization after skin contact possible. 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. The substance may cause sensitization of the respiratory tract on particularly sensitive individuals.

### Aspiration Hazard

Study scientifically not justified.

## **Chronic Toxicity/Effects**

### Carcinogenicity

Assessment of carcinogenicity: A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure.

### Reproductive toxicity

Assessment of reproduction toxicity: May impair fertility.

### Teratogenicity

Assessment of teratogenicity: Possible risk of harm to the unborn child.

### 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

# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 10/12  
(30605568/SDS\_GEN\_US/EN)

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.

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## 12. Ecological Information

### Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

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

### Bioaccumulative potential

Assessment bioaccumulation potential

Based on a weight of evidence, the compound will not bioaccumulate.

### 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 not 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. 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.

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## 14. Transport Information

### Land transport

USDOT

Hazard class: C  
Packing group: III

# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 11/12  
(30605568/SDS\_GEN\_US/EN)

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

## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

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

#### EPCRA 313:

<u>CAS Number</u>	<u>Chemical name</u>
5124-30-1	4,4'-methylenedicyclohexyl diisoncyanate

### State regulations

#### State RTK

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
PA	13463-67-7	Titanium dioxide
	5124-30-1	4,4'-methylenedicyclohexyl diisoncyanate
	7778-18-9	Calcium sulphate
	14807-96-6	talc
	8052-41-3	Stoddard solvent
MA	5124-30-1	4,4'-methylenedicyclohexyl diisoncyanate
	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

# Safety Data Sheet

## MasterSeal TC 225HT wht also SONOGUARD TOP COAT HT WHITE

Revision date : 2015/07/27  
Version: 1.0

Page: 12/12  
(30605568/SDS\_GEN\_US/EN)

7778-18-9

Calcium sulphate

### CA Prop. 65:

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

### NFPA Hazard codes:

Health : 3      Fire: 2      Reactivity: 0      Special:

### Assessment of the hazard classes according to UN GHS criteria (most recent version):

Acute Tox.	4 (Inhalation - mist)	Acute toxicity
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Skin Corr./Irrit.	2	Skin corrosion/irritation
Resp. Sens.	1	Respiratory sensitization
Skin Sens.	1	Skin sensitization
Carc.	2	Carcinogenicity
STOT SE	3 (irritating to respiratory system)	Specific target organ toxicity — single exposure
STOT RE	2	Specific target organ toxicity — repeated exposure

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2015/07/27

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.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.  
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