

## SONOGUARD® TOPCOAT AND TOPCOAT TINT BASE

Version 1.6

10/03/2006

### 1. PRODUCT AND COMPANY INFORMATION

Company	:	<b>BASF Building Systems, Inc.</b> 889 Valley Park Drive Shakopee, MN 55379
Telephone	:	952-496-6000
Emergency telephone number	:	(800) 424-9300 (703) 527-3887 (Outside Continental US)
Product name	:	SONOGUARD® TOPCOAT AND TOPCOAT TINT BASE
MSDS ID No.	:	10675
TSCA Inventory	:	All components of this product are included, or are exempt from inclusion, in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Canadian DSL	:	All components of this product are included, or are exempt from inclusion, in the Canadian Domestic Substance List (DSL).
Product Use Description	:	Coating

### 2. HAZARDOUS INGREDIENTS

<u>Chemical</u>	<u>CAS No.</u>	<u>TLV</u>	<u>STEL</u>	<u>PEL</u>	<u>CEIL</u>	<u>Weight %</u>
STODDARD SOLVENT	8052-41-3	100 ppm	N.E.	500 ppm	N.E.	10.00 - 30.00 %
METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)	5124-30-1	0.005 ppm	N.E.	N.E.	0.01 ppm	0.00 - 5.00 %
SILICA, CRYSTALLINE QUARTZ	14808-60-7	0.05 mg/m3	N.E.	0.1 mg/m3	N.E.	0.10 - 1.00 %
TALC	14807-96-6	2 mg/m3	N.E.	N.E.	N.E.	10.00 - 30.00 %
ANHYDRITE	7778-18-9	10 mg/m3	N.E.	5 mg/m3	N.E.	3.00 - 7.00 %
TITANIUM DIOXIDE	13463-67-7	10 mg/m3	N.E.	15 mg/m3	N.E.	1.00 - 5.00 %

### 3. HAZARDS IDENTIFICATION

HMIS® Rating		HEALTH 2*	FLAMMABILITY 2	PHYSICAL HAZARD 0
WHMIS Class	:	B3 D2B		
Primary Routes of Entry	:	Inhalation Eye contact Skin contact Ingestion		

#### Effects of Overexposure

Inhalation : Inhalation of high vapor concentrations may cause symptoms like headache, dizziness,

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tiredness, nausea and vomiting. Inhalation of high vapor concentrations can cause CNS-depression and narcosis. Prolonged inhalation can be harmful.

- Skin : Prolonged skin contact may defat the skin and produce dermatitis. Prolonged or repeated exposure can cause skin irritation and redness. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitization by skin contact.
- Eyes : Can cause moderate to severe irritation, redness, tearing and blurred vision.
- Ingestion : Intake can cause gastrointestinal irritation, nausea, and vomiting.
- Chronic exposure : Existing respiratory or skin ailments may be aggravated by exposure. This product contains isocyanates. Prolonged repeated exposure to isocyanates can lead to skin sensitization. For persons so sensitized even brief exposures to an isocyanate can produce reddening, swelling, rash, or blisters. Similarly, prolonged and repeated exposure to isocyanates can lead to respiratory sensitization. In such individuals, brief exposures to isocyanates at levels well below established exposure limits can produce chemical asthma and nonspecific asthmatic conditions. This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents (a process often called "sniffing") can be harmful or fatal. This product contains Crystalline (quartz) Silica which has been listed as a human carcinogen by NTP (Group 1) and IARC (Human Carcinogen) and a Suspected Human Carcinogen by ACGIH (category A2). Repeated or prolonged over exposure to free respirable Crystalline (quartz) silica can cause silicosis or other delayed and serious lung injury. No exposure to respirable Crystalline (quartz) Silica anticipated with recommended use of product.

**Carcinogenicity**

	ACGIH	IARC	NTP	OSHA
STODDARD SOLVENT	N.E.	No data.	N.E.	N.E.
METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)	N.E.	N.E.	N.E.	N.E.
SILICA, CRYSTALLINE QUARTZ	Suspected human carcinogen.	Human carcinogen.		N.E.
TALC	Not classifiable as a human carcinogen.	Inadequate data.	N.E.	N.E.
ANHYDRITE	N.E.	N.E.	N.E.	N.E.
TITANIUM DIOXIDE	Not classifiable as a human carcinogen.	Classification not possible from current data.	N.E.	N.E.

**4. FIRST AID MEASURES**

- Eye contact : Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
- Skin contact : Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.
- Ingestion : Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.

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Inhalation : Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

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### 5. FIRE-FIGHTING MEASURES

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Flash point : 105.01 °F (40.56 °C) Method: SETAFLASH

Autoignition temperature : no data available

Lower explosion limit : 1.0 %(V)

Upper explosion limit : 7.0 %(V)

Suitable extinguishing media : carbon dioxide (CO<sub>2</sub>)  
water fog  
dry chemical

Fire and Explosion Hazards : Combustible Liquid. Can form explosive mixtures at temperatures at or above the flashpoint. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; CONTAINERS MAY EXPLODE AND CAUSE INJURY OR DEATH. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; CONTAINERS MAY EXPLODE AND CAUSE INJURY OR DEATH. Solid stream of water or foam can cause frothing.

Special Fire-fighting Procedures : At higher temperature pressure build up in sealed containers. Use water to cool containers exposed to fire. As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

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### 6. ACCIDENTAL RELEASE MEASURES

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Methods for cleaning up : Ventilate the area and remove all sources of ignition. Evacuate unnecessary personnel. Take action to eliminate source of leak. Large spills should be handled carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled Liquid. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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### 7. HANDLING AND STORAGE

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Handling : Use only in area provided with appropriate ventilation. Keep out of reach of children. Take precautionary measures against static discharges. Ground and bound containers when transferring material. For personal protection see section 8.

Storage : Keep containers tightly closed in a dry, cool and well-ventilated place.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection	: Wear as appropriate: safety glasses with side-shields goggles face-shield
Hand protection	: Wear Chemically resistant gloves.
Body Protection	: Wear as appropriate: Chemically resistant clothes preventive skin protection
Respiratory protection	: In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.
Hygienic Practices	: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.
Engineering Controls	: Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Color	: various colors
Physical State	: liquid
Odor	: solvent
pH	: not applicable
Odor Threshold	: no data available
Vapor Pressure	: no data available
Vapor Density	: Heavier than air
Boiling point/range	: 222.01 - 500 °F (105.56 - 260 °C)
Freeze Point	: no data available
Water solubility	: slightly soluble
Specific Gravity	: 1.09
Viscosity	: 2,000 - 4,000 cps
Evaporation rate	: Slower than Butyl acetate
Partition coefficient (n-octanol/water)	: no data available

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VOC Concentration as applied : 210 g/l  
(less water and exempt solvents)

**10. STABILITY AND REACTIVITY**

- Stability : Stable under recommended storage conditions.
- Conditions to avoid : Heat, flames and sparks.  
Prolonged exposure to high temperatures
- Materials to avoid : oxidizing agents  
Water
- Hazardous decomposition products : Oxides of carbon
- Hazardous polymerization : Will not occur under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

**Acute inhalation toxicity**

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>	<u>Exposure time</u>
	LC50	no data available		
<u>Component</u>				
STODDARD SOLVENT	LC50	no data available		
METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)	LC50	no data available		
SILICA, CRYSTALLINE QUARTZ	LC50	no data available		
TALC	LC50	no data available		
ANHYDRITE	LC50	no data available		
TITANIUM DIOXIDE	LC50	no data available		

**Acute oral toxicity**

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>
	LD50 (Oral)	no data available	
<u>Component</u>			
STODDARD SOLVENT	LD50 (Oral)	no data available	
METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)	LD50 (Oral)	no data available	
SILICA, CRYSTALLINE QUARTZ	LD50 (Oral)	1,300 mg/kg	

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TALC	LD50 (Oral)	no data available
ANHYDRITE	LD50 (Oral)	no data available
TITANIUM DIOXIDE	LD50 (Oral)	no data available

**Acute dermal toxicity**

	Type	Value	Species
<u>Product</u>	LD50 (Dermal)	no data available	
<u>Component</u>			
STODDARD SOLVENT	LD50 (Dermal)	no data available	
METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)	LD50 (Dermal)	no data available	
SILICA, CRYSTALLINE QUARTZ	LD50 (Dermal)	no data available	
TALC	LD50 (Dermal)	no data available	
ANHYDRITE	LD50 (Dermal)	no data available	
TITANIUM DIOXIDE	LD50 (Dermal)	no data available	

**12. ECOLOGICAL INFORMATION**

Ecotoxicological Information : There is no data available for this product.

**13. DISPOSAL CONSIDERATIONS**

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

**14. TRANSPORT INFORMATION**

**This material is classified as a Combustible Liquid per DOT regulations; however, it is not regulated by DOT when shipped as non-bulk ground shipments. Bulk shipments of this material are subject to specific DOT requirements. Please consult DOT regulations for specific requirements.**

DOT	: Proper shipping name	Not regulated
IATA	: Proper shipping name	PAINT
	UN-No	<b>1263</b>
	Class	3
	Packaging group	III
	Primary Label	Flammable liquid

**15. REGULATORY INFORMATION**

**SARA 311/312 (RTK)**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the

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Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

FIRE HAZARD IMMEDIATE (ACUTE) HEALTH HAZARD DELAYED (CHRONIC) HEALTH HAZARD

### SARA 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>Weight %</u>	<u>CAS No.</u>	<u>Chemical Name</u>
0.00 - 5.00 %	5124-30-1	METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)

### CERCLA

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

<u>RQ</u>	<u>CAS No.</u>	<u>Chemical Name</u>
No CERCLA chemicals exist in this product above reportable concentrations.		

### TSCA Section 12(b) Export Notification

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<u>CAS No.</u>	<u>Chemical Name</u>
There are no TSCA 12(b) Chemicals in this product.	

### California Proposition 65

The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

<u>CAS No.</u>	<u>Chemical Name</u>
14808-60-7	SILICA, CRYSTALLINE QUARTZ
100-41-4	ETHYLBENZENE
7439-92-1	INORGANIC LEAD
7440-02-0	NICKEL
7440-43-9	CADMIUM
7440-38-2	ARSENIC
1333-86-4	CARBON BLACK
71-43-2	BENZENE
108-88-3	TOLUENE

## 16. OTHER INFORMATION

Legend : N.E. - Not Established  
 TLV - Threshold Limit Value  
 STEL - Short Term Exposure Limit  
 PEL - Permissible Exposure Limit  
 CEIL - Ceiling



The Chemical Company

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Prepared By : Environment, Health and Safety Department

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End of MSDS.