

W. R. GRACE
MATERIAL SAFETY DATA SHEET

Product Name: Bondera Tile MatSet
MSDS ID Number: M-85791

MSDS Date: 11/02/2007

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bondera Tile MatSet
MSDS Number: M-85791
Cancelled MSDS Number: New
MSDS Date: 11/02/2007
Chemical Family Name: Polyolefin and Synthetic Elastomer
Product Use: Tile Tape
Chemical Formula: Mixture-NA
CAS # (Chemical Abstracts Service Number): Mixture-NA

Manufactured by:

W.R.Grace & Co.-Conn.
62 Whittemore Avenue
Cambridge, MA 02140

Grace Canada, Inc.
294 Clements Road West
Ajax, Ontario L1S 3C6

In Case of Emergency Call:

In USA: (617) 876-1400 In Canada: (905) 683-8561

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Percent (max)
Polyolefin and Synthetic Elastomer	NA	100
Titanium dioxide	013463-67-7	< 1.5

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview:

Caution!

Caution!

Release liners are slippery and can pose a fall or tripping hazard if left in the work area.

HMIS Rating:

Health: 0
Flammability: 1
Reactivity: 0
Personal Protective Equipment: See MSDS section 8

Potential Health Effects:

Inhalation: Due to the physical nature of this product (sheet), inhalation exposure is not possible.

Eye Contact: Due to the physical nature of this product (sheet), eye contact is not possible.

Skin Contact: No hazardous effects from skin contact.

Skin Absorption: Can not be absorbed through the skin.

Ingestion: Due to the physical nature of this product (sheet), ingestion is not likely.

SECTION 4 - FIRST AID MEASURES:

Skin Contact: Wash with waterless hand cleaner.

Eye Contact: Due to physical nature of this product eye contact is not likely.

Ingestion: Due to physical nature of this product, ingestion is not likely.

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Inhalation: Due to physical nature of this product, inhalation is not likely.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not Applicable (Soild)
Flash Point Method:	Not Applicable
Lower Explosion Limit:	Not Available
Upper Explosion Limit:	Not Available
Auto-ignition Temperature:	Not Available

NFPA Rating:

Health:	0
Flammability:	1
Reactivity:	0

Extinguishing Media: In case of fire, use carbon dioxide, dry chemical, foam, water fog, or water spray

Special Fire Fighting Procedures: Firefighters should be equipped with Self-contained Breathing Apparatus (SCBA) to prevent inhalation of hazardous decomposition products. (See Section 10.)

Unusual Fire and Explosion Hazards: Toxic gases will form upon combustion

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Spills/Leaks: Due to physical nature of this product spills/leaks are not possible.

SECTION 7 - HANDLING AND STORAGE

Precautionary Measures: - Release liners should be removed from the work area immediately and disposed.

- KEEP OUT OF CHILDREN'S REACH.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

EXPOSURE GUIDELINES (US)

Ingredient	ACGIH TLV			OSHA PEL			Other
	TWA	STEL	Ceiling	TWA	STEL	Ceiling	
Polyolefin coated sheet	-	-	-	-	-	-	-
Titanium dioxide	10 mg/m3 TWA	-	-	10 mg/m3 TWA (total dust)	-	-	-

Based on animal studies Titanium dioxide has been associated with lung disease (i.e. lung cancer). However, due to the physical nature of this product (tape) exposures are not expected unless product dries and is abraded and airborne dust is created.

EXPOSURE GUIDELINES (CANADA)

Physical nature of this product as supplied (Sheet) does allow for specific exposure.

Engineering Controls: Not generally required.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection is not normally required.

Skin Protection: Normal work gloves are recommended.

Eye Protection: Eye protection is not normally required.

Work/Hygienic Practices: Use good personal hygiene practices.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance/Odor:	Varying colored Polyolefin sheet.
Odor Threshold: (ppm)	Not Applicable
pH:	Not Applicable
Vapor Pressure: (Mm Hg)	Not Applicable
Vapor Density: (Air = 1)	Not Applicable
Solubility In Water:	Not Applicable
Specific Gravity: (Water = 1)	Not Applicable
Evaporation Rate: (Butyl Acetate = 1)	Not Applicable
Boiling Point:	Not Applicable
Viscosity:	Not Applicable
Bulk Density: (Pounds/Cubic Foot)(Pcf)	Not determined
% Volatiles: (70°F) (21°C)	Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions To Avoid:	None Known.
Hazardous Polymerization:	Will not polymerize.
Hazardous Decomposition Products:	Carbon dioxide, Carbon Monoxide

SECTION 11 - TOXICOLOGICAL INFORMATION

Ingredient (No data unless listed.) **CAS Number** **LD50 and LC50**

Carcinogenicity:

Ingredient	IARC Group 1	IARC Group 2A	IARC Group 2B	NTP Known	NTP Suspect	OSHA
Polyolefin coated sheet	No	No	No	No	No	No
Titanium dioxide	No	No	Yes	No	No	No

Titanium dioxide has been identified as IARC 2B possible human carcinogen. However, due to the physical nature of this product (tape) exposures are not expected unless product dries and is abraded and airborne dust is created.

Mutagenicity:	Not applicable.
Teratogenicity:	Not applicable.
Reproductive Toxicity:	Not applicable.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Fate:	No data available for product.
Ecotoxicity:	No data available for product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Dispose of waste in accordance with all applicable regulations.

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SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name:	Not Applicable
UN/NA Number:	Not Applicable
Domestic Hazard Class:	Not Applicable
Surface Freight Classification:	Not Applicable
Label/Placard Required:	Not Applicable

SECTION 15 - REGULATORY INFORMATION

REGULATORY CHEMICAL LISTS:

CERCLA (Comprehensive Response Compensation and Liability Act):
(None present unless listed below)

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>	<u>CERCLA RQ</u>
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SARA Title III (Superfund Amendments and Reauthorization Act)

SARA Section 312/Tier I & II Hazard Categories:

Health Immediate (acute)	No
Health Delayed (chronic)	No
Flammable	No
Reactive	No
Pressure	No

302 Reportable Ingredients (Identification Threshold 1%):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>	<u>SARA 302 TPQ</u>
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313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
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National Volatile Organic Compound Emission Standards For Architectural Coatings:

Volatile Organic Content: (gr/L) Not Applicable

WHMIS Classification(s): Not Controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR.

State Regulatory Information:

California Proposition 65: This product does not contain substances known to the state of California to cause cancer, birth defects or other reproductive harm.

Massachusetts Hazardous Substance List (Identification threshold 0.001%(1ppm)):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
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New Jersey Hazardous Substance List (Identification threshold (0.1%)):

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Chemical Name

CAS #

Wt %

Pennsylvania Hazardous Substance List (Identification threshold 0.01%):

Chemical Name

CAS #

Wt %

CHEMICAL INVENTORY STATUS:

All chemicals in this product are listed or exempt from listing in the following countries:

US	CANADA		EUROPE	AUSTRALIA	JAPAN	KOREA	PHILIPPINES
TSCA	DSL	NDSL	EINECS/ELINCS	AICS	ENCS	ECL	PICCS
Yes	Yes	No	Not Determined	Not Determined	Not Determined	Not Determined	Not Determined

SECTION 16 - OTHER INFORMATION

Non-Hazardous Ingredient Disclosure:

Chemical Name

CAS Number

Prepared by: EH&S Department
Approved by: EH&S Department
Approved Date: 11/02/07

Disclaimer:

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."