

# GAF Materials Corporation Material Safety Data Sheet MSDS # 1030

**MSDS Date: November 2008** 

# **SECTION 1: PRODUCT AND COMPANY INFORMATION**

**PRODUCT NAME:** Purity™ Shingle Wavy, Purity™ Shingle Straight, Purity™ Shingle

Thatched, Profile 9 Shingle, Profile 12 Shingle, Profile 14 Shingle,

Emphasis™ Shingle

**TRADE NAME:** WeatherSide™

CHEMICAL NAME /

SYNONYM:

N/A

CHEMICAL FAMILY: Fiber Cement Shingles

**MANUFACTURER:** GAF Materials Corporation

ADDRESS: 1361 Alps Road, Wayne, NJ 07470

24-HOUR EMERGENCY

**PHONE (CHEMTREC):** 800 – 424 – 9300

**INFORMATION ONLY:** 800 – 766 – 3411

PREPARED BY: Sean Connolly

**APPROVED BY:** Phil Curry

### **NFPA Hazard Rating**

**HMIS Hazard Rating** 

Health	1	Health	1
Flammable	0	Flammable	0
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	Α

OSHA HAZARDOUS: Yes 
No X

# **SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

### OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS#	% (BY WI)	OSHA	ACGIH	OTHER
Crystalline Silica	14808-60-7	20 – 80	10 mg/m3 / (% SiO2 + 2) – resp.	0.025 mg/m3 – resp.	REL: 0.05 mg/m3 – resp.

### OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS#	% (BY WT)	OSHA	ACGIH	OTHER
Amorphous Silica	69012-64-2	10 – 40	NE	NE	NE
Activated Carbon	7440-44-0	0 – 5	5 mg/m3 – resp. 15 mg/m3 – total	NE	NE
Calcium Sulfate	7778-18-9	1 – 5	5 mg/m3 – resp. 15 mg/m3 – total	10 mg/m3 – total	REL: 5 mg/m3 – resp. 10 mg/m3 – total
Cellulose Pulp	9004-34-6	2 – 20	5 mg/m3 – resp. 15 mg/m3 – total	10 mg/m3 – total	REL: 5 mg/m3 – resp. 10 mg/m3 – total
Zirconium Oxide	1314-23-4	0 – 5	5 mg/m3 – resp. (as Zr)	5 mg/m3 (as Zr) 10 mg/m3 STEL (as Zr)	5 mg/m3 (as Zr) 10 mg/m3 STEL (as Zr)

### NE = Not Established

As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200, the products above are considered articles and do not require an MSDS. However, GAF would like to disclose as much health and safety information as possible to ensure that this product is handled properly. All components listed for this product are bound within the shingle. When handled as intended and under normal conditions, none of the ingredients should be released and should not pose a significant health risk.

### **SECTION 3: HAZARDS IDENTIFICATION**

**PRIMARY ROUTE OF EXPOSURE:** Inhalation (occasional nuisance dust) – no exposure expected

when handling under normal conditions. Dust exposure is possible

when mechanical manipulation (sawing, etc.).

SIGNS & SYMPTOMS OF EXPOSURE

**EYES:** May cause irritation to the eyes.

**SKIN:** May cause irritation to the skin.

**INGESTION:** This product is not intended to be ingested. If ingested, it may

cause temporary irritation to the gastrointestinal (digestive) tract.

**INHALATION:** May cause irritation to the respiratory tract.

ACUTE HEALTH HAZARDS: None known.

**CHRONIC HEALTH HAZARDS:** Long term exposure to silica can lead to significant health effects.

Crystalline silica has been classified as a human carcinogen. Additionally, crystalline silica exposure can cause silicosis, which can be disabling or even fatal. Respirable silica dust can cause the formation of scar tissue which affects the lungs' ability to take in oxygen. A person with silicosis is more susceptible to lung infections like tuberculosis. Smoking adds to the damage caused

by breathing silica dust.

CARCINOGENICITY: The International Agency for Research on Cancer (IARC) and the

National Toxicology Program (NTP) have determined that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite. In addition, IARC has determined that there is sufficient evidence for the carcinogenicity of quartz and cristobalite in experimental animals.

Among individuals with silicosis, lung cancer occurs more

frequently in those who smoke.

### **SECTION 4: FIRST AID MEASRURES**

#### FIRST AID PROCEDURES

EYES: Hold eyelids open and wash with gentle stream of water for at least 15

minutes preferably at eyewash fountain.

**SKIN:** Wash affected area thoroughly with soap and water.

**INHALATION:** Remove to fresh uncontaminated air.

**INGESTION:** Not expected to be ingested.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

No information available

# **SECTION 5: FIRE FIGHTING PROCEDURES**

**SUITABLE EXTINGUISHING MEDIA:** Water spray, Alcohol foam, Carbon Dioxide, or Dry chemical.

**HAZARDOUS COMBUSTION** 

**PRODUCTS:** 

The shingle itself does not burn. The coating may burn off

and release carbon dioxide and carbon monoxide.

RECOMMENDED FIRE FIGHTING

PROCEDURES:

N/A

**UNUSUAL FIRE & EXPLOSION** 

**HAZARDS**:

N/A

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

ACCIDENTAL RELEASE MEASURES: Pick up or sweep up large pieces. Avoid creating dust during

clean up.

# **SECTION 7: HANDLING AND STORAGE**

**HANDLING AND STORAGE:** No specific handling or storage requirements.

OTHER PRECAUTIONS: None

# **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS /** 

**VENTILATION:** 

N/A

**RESPIRATORY PROTECTION:** Respiratory protection may be needed when mechanically

manipulating this product (sawing, cutting, etc.). If respiratory protection is selected, a NIOSH-approved dust mask or respirator should be worn. Selection and use of specific respirators should meet applicable standards set by state and Federal OSHA

standards for respiratory protection.

**EYE PROTECTION:** Safety glasses with side shields.

**SKIN PROTECTION:** Cotton or leather gloves are recommended when handling.

OTHER PROTECTIVE EQUIPMENT: None

WORK HYGIENIC PRACTICES: Wash exposed skin prior to eating, drinking or smoking and at the

end of each shift.

**EXPOSURE GUIDELINES:** N/A

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE & ODOR:	White painted or coated textured cement shingle; no appreciable odor.					
FLASH POINT:	No data	LOWER EXPLOSIVE LIMIT:	No data			
METHOD USED:	No data	UPPER EXPLOSIVE LIMIT:	No data			
EVAPORATION RATE:	No data	BOILING POINT:	No data			
pH (undiluted product):	No data	MELTING POINT:	No data			
SOLUBILITY IN WATER:	No data	SPECIFIC GRAVITY:	No data			
VAPOR DENSITY:	No data	PERCENT VOLATILE:	No data			
VAPOR PRESSURE:	No data	MOLECULAR WEIGHT:	No data			

VOC WITH WATER (LBS/GAL):		data WITHOUT WATER (LBS/GA		(LBS/GAL):	No data
SECTION 10: STABILITY AND RE	ACTIVITY				
THERMAL STABILITY:			STABLE X	UNST	ABLE
CONDITIONS TO AVOID (STABI	LITY):	None kn	own		
INCOMPATIBILITY (MATERIAL AVOID):	ТО	None kn	own		
HAZARDOUS DECOMPOSITION PRODUCTS:	I OR BY-	None kn	own		
HAZARDOUS POLYMERIZATIO	N:	Will Not	Occur		
SECTION 11: TOXICOLOGICAL I	INFORMA <sup>T</sup>	TION			
TOXICOLOGICAL INFORMATION:	No inf	ormation a	available.		
SECTION 12: ECOLOGICAL INFO	ORMATIO	N			
ECOLOGICAL INFORMATION:		ormation a	available.		
SECTION 13: DISPOSAL CONSIL	DERATION	NS .			
WASTE DISPOSAL METHOD:	U.S. Env Conserva	ironmenta ation and F	pplied, is not regulated I Protection Agency (E Recovery Act (RCRA) r ns for disposal.	PA) under Reso	urce
RCRA HAZARD CLASS:	None				

# **SECTION 14: TRANSPORTATION INFORMATION**

**U.S. DOT TRANSPORTATION** 

**PROPER SHIPPING NAME:** This product is not classified as a hazardous

material for transport.

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENT: N/A

OTHER: N/A

### **SECTION 15: REGULATORY INFORMATION**

# **U.S. FEDERAL REGULATIONS**

TSCA: This product and its components are listed on the TSCA 8(b)

inventory.

CERCLA: None

**SARA** 

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

**CALIFORNIA PROPOSITION 65:** This product contains a chemical known to the state of California to

cause cancer and birth defects, or other reproductive harm.

Other state regulations may apply. Check individual state requirements. The following components appear on one or more of the following state hazardous substances lists:

Chemical Name	CAS#	CA	MA	MN	NJ	PA	RI
Crystalline Silica	14808-60-7	Yes	Yes	Yes	Yes	Yes	Yes
Amorphous Silica	69012-64-2	No	No	No	No	No	No
Activated Carbon	7440-44-0	No	No	No	No	Yes	Yes
Calcium Sulfate	7778-18-9	No	No	Yes	Yes	Yes	Yes
Cellulose Pulp	9004-34-6	No	No	Yes	Yes	Yes	Yes
Zirconium Oxide	1314-23-4	Yes *	No	Yes *	No	No	Yes *

<sup>\*</sup> listed as Zirconium compounds

### **SECTION 16: OTHER INFORMATION**

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS MSDS: June 2003

CHANGES SINCE PREVIOUS MSDS: Changed to the ANSI 16 section MSDS format.

This information relates to the specific material designated and may not be valid for such material used on combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.