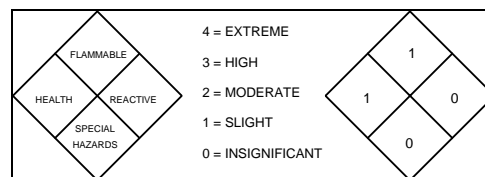


# MATERIAL SAFETY DATA SHEET

GAF MATERIALS CORPORATION

TIMBERLINE® SELECT 40™ (FORMERLY KNOWN AS TIMBERLINE®),  
 TIMBERLINE® ULTRA®, TIMBERLINE® 30 (FORMERLY KNOWN AS  
 TIMBERLINE® 25), TIMBERTEX®, TIMBERLINE® SELECT 40™ ALGAE  
 EATER™, TIMBERLINE® ULTRA® ALGAE EATER™, TIMBERLINE® 30  
 ALGAE EATER, TIMBERTEX® ALGAE EATER™, GRAND SEQUOIA™,  
 GRAND SEQUOIA™ STARTER STRIP/HIP & RIDGE, COUNTRY MANSION®,  
 GRAND CANYON™, COUNTRY ESTATES™, GRAND SLATE™, TIMBERCREST™, PACIFIC RIDGE™, CAMELOT™



		ROOFING SHINGLES	
Manufacturer	GAF MATERIALS CORPORATION	Identity (Trade Name As Used On Label)	
Address	1361 Alps Road Wayne, NJ 07470	MSDS Number*	1002
Phone Number (For Information)	800-766-3411	CAS Number*	None
Emergency Phone Number	(800) 424-9300	Date Prepared	11/22/88 rev. 06/04
		Prepared By*	A. A. Bondoc/P. Hennings

NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or Greater; Carcinogens 0.1% or greater)	%*	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
SILICA, CRYSTALLINE QUARTZ CAS #14808-60-7	Approx. 4	See Table Z-3	*0.1 mg/m3	--
* RESPIRABLE DUST				
Non-Hazardous Ingredients	Approx. 96			
Total	100			

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H2O = 1)	N/A
Vapor Pressure (mm Hg and Temperature)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate =1)	N/A
Solubility in Water	N/A	Water Reactive	N/A
Appearance and Odor SHEETS, 3/16 INCH THICK, APPROX. 1 FT X 3 FT, GRANULES ON TOP, SAND ON BACK. SLIGHT ASPHALTIC ODOR.			

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	>500F, COC	Auto-Ignition Temperature	N/A	Flammability Limits in Air % by Volume	N/A	LEL	N/A	UEL	N/A
Extinguisher Media CO2, FOAM, DRY CHEMICAL OR WATER									
Special Fire Fighting Procedures// WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING									
Unusual Fire and Explosion Hazards NONE									

\* Optional

OSHA 174

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MSDS GAF

## SECTION 4 - REACTIVITY HAZARD DATA

STABILITY	Stable <input checked="" type="checkbox"/> _____ Unstable _____	Conditions N/A To Avoid
Incompatibility (Materials to Avoid) N/A		
Hazardous Decomposition Products THERMAL DECOMPOSITION MAY RELEASE CO, CO2, CARBON PARTICULATES, METHANE, AMMONIA, HYDROGEN CYANIDE AND HYDROGEN SULFIDE.		
HAZARDOUS POLYMERIZATION	_____ May Occur _____ Will Not Occur	Conditions To Avoid N/A

## SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: _X_ Inhalation _____ Skin Absorption _____ Ingestion _____ Not Haz		CARCINOGEN LISTED IN: _____ NTP <input checked="" type="checkbox"/> IARC Monograph _____ OSHA _____ Not Listed
<b>HEALTH</b>	Acute N/A	
<b>HAZARDS</b>	Chronic SILICA: LIMITATION OF EXPANSION OF THE CHEST, EMPHYSEMA.	
Signs and Symptoms of Exposure SILICA: SHORTNESS OF BREATH ON EXERTION, DRY COUGH		
Medical Conditions Generally Aggravated by Exposure SILICA: RESPIRATORY AILMENTS		
EMERGENCY FIRST AID PROCEDURES -		
Eye Contact N/A		
Skin Contact N/A		
Inhalation N/A		
Ingestion N/A		

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type) N/A		
Protective Gloves	N/A	Eye Protection SAFETY GLASSES WITH SIDE SHIELDS
<b>VENTILATION</b>	_____ Local Exhaust N/A	_____ Mechanical (General) N/A
<b>TO BE USED</b>	_____ Special N/A	_____ Other (Specify) USE SUFFICIENT VENTILATION
Other Protective Clothing and Equipment N/A		
Hygienic Work Practices WASH HANDS AFTER APPLICATION		

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material is Spilled or Released	PICK UP PIECES AND DISPOSE PROPERLY. VACUUM DUST. USE A DUST SUPPRESSANT IF SWEEPING IS NECESSARY.
Waste Disposal Methods	DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
Precautions to be Taken in Handling and Storage	N/A
Other Precautions and/or Special Hazards	N/A