

TruSlate™ Field Slates, TruSlate™ Trim Slates

Material Safety Data Sheet

Updated: 3/09



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GAF Materials Corporation
Material Safety Data Sheet
MSDS # 2109
MSDS Date: March 2009

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: TruSlate™ Field Slates, TruSlate™ Trim Slates

TRADE NAME: TruSlate™

CHEMICAL NAME / SYNONYM: N/A

CHEMICAL FAMILY: N/A

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: Corporate EHS

APPROVED BY: Corporate EHS

NFPA Hazard Rating

HMIS Hazard Rating

Health	0
Flammable	0
Reactive	0
Special Hazards	-

0
0
0
-

Health	0
Flammable	0
Reactive	0
Personal Protection	B

0
0
0
B

OSHA HAZARDOUS: Yes

No

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME *	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Silicon Dioxide (crystalline silica) **	14808-60-7	40 – 60	10 mg/m3 / (% SiO ₂ + 2) – resp.	0.025 mg/m3 – resp.	REL: 0.05 mg/m3 – resp.

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Aluminum Oxide	1344-28-1	15 – 25	5 mg/m ³ – resp. 15 mg/m ³ – total	1 mg/m ³ – resp.	REL: 1.5 mg/m ³ – resp.
Iron Oxide	1309-37-1	5 – 10	10 mg/m ³ – fume	5 mg/m ³ – resp.	REL: 5 mg/m ³
Potassium Oxide	12136-45-7	2 – 10	NE	NE	NE
Magnesium Oxide	1309-48-4	2 – 10	15 mg/m ³ – total	10 mg/m ³	NE
Calcium Carbonate	1317-65-3	1 – 5	5 mg/m ³ – resp. 15 mg/m ³ – total	3 mg/m ³ – resp. 10 mg/m ³ – total	REL: 5 mg/m ³ – resp., 10 mg/m ³ – total
Sodium Oxide	1313-59-3	1 – 5	NE	NE	NE
Calcium Oxide	1305-78-8	1 – 5	5 mg/m ³	2 mg/m ³	REL: 2 mg/m ³

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. When handled as intended and under normal conditions, none of the ingredients should be released and should not pose a significant health risk.

** This composition of silicon dioxide (SiO₂) may be up to 100% crystalline silica.

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, cutting, etc.).

SIGNS & SYMPTOMS OF EXPOSURE

EYES: May cause mechanical irritation to the eyes.

SKIN: May cause mechanical irritation to the skin. Product can have sharp edges which may cause abrasions 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: See above.

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 MEASURES

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 slate shingle itself does not burn. If involved in a fire, carbon dioxide and carbon monoxide may be released.

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:	Various colored slate shingles; no appreciable odor.		
FLASH POINT:	No data	LOWER EXPLOSIVE LIMIT:	No data
METHOD USED:	No data	UPPER EXPLOSIVE LIMIT:	No data
EVAPORATION RATE:	Not applicable	BOILING POINT:	> 4000 °F
pH (undiluted product):	No data	MELTING POINT:	> 3000 °F

SOLUBILITY IN WATER:	Insoluble	SPECIFIC GRAVITY:	2.65
VAPOR DENSITY:	Not applicable	PERCENT VOLATILE:	0
VAPOR PRESSURE:	Not applicable	MOLECULAR WEIGHT:	No data
VOC WITH WATER (LBS/GAL):	0	WITHOUT WATER (LBS/GAL):	0

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY: **STABLE** **UNSTABLE**

CONDITIONS TO AVOID (STABILITY): None known.

INCOMPATIBILITY (MATERIAL TO AVOID): Hydrofluoric acid (HF) – HF can dissolve silica to produce silicon tetrafluoride which is a corrosive gas.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No information available.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Comply with state and local regulations for disposal.

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.
Cancer: crystalline silica.

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
Aluminum Oxide	1344-28-1	Yes	Yes	Yes	Yes	Yes	Yes
Iron Oxide	1309-37-1	No	No	Yes	Yes	Yes	Yes
Potassium Oxide	12136-45-7	No	No	No	Yes	No	No

Magnesium Oxide	1309-48-4	Yes	Yes	Yes	Yes	Yes	Yes
Calcium Carbonate	1317-65-3	No	Yes	Yes	No	Yes	Yes
Sodium Oxide	1313-59-3	No	No	No	Yes	No	No
Calcium Oxide	1305-78-8	Yes	No	Yes	Yes	Yes	Yes

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS MSDS: New MSDS

CHANGES SINCE PREVIOUS MSDS: N/A

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.