



Safety Data Sheet

Material Name: Shingle and Roll Roofing Products

Section 1 - Chemical Product and Company Identification

Product Name(s): Shingle and Roll Roofing Products

Chemical Family: Organic and Fiberglass Shingles and Roll Roofing

Formula: Mixture

Manufacturer:

Atlas Roofing Corporation
2000 River Edge Parkway, Suite 800
Atlanta, GA 30328

Emergency Contacts:

CHEMTREC (24 hours everyday): 1-800-424-9300

CANUTEC (Canada - 24 hours everyday): 1-613-996-6666

Health and Technical Contacts:

Health Issues Information (8am-5pm ET): 1-770-952-1442

Technical Product Information (8am-5pm ET): 1-770-952-1442

Section 2 - Hazards Identification

Global Harmonized System (GHS) Classification:

Health

Eye Irritation – Category 2B (Mild Irritant)

Skin Irritation – Category 3 (Mild Irritant)



Respiratory Protection:

A properly fitted NIOSH approved disposable dust respirator should be used when high dust levels are encountered, the level of glass fibers in the air exceeds the OSHA PEL, or if irritation occurs. Use respiratory protection in accordance with your company's respiratory protection program, state and local regulations, and OSHA regulations under 29 CFR 1910.134.

Skin Protection:

A loose fitting, long sleeved cotton shirt, long cotton pants, and gloves are recommended.

Eyes/Face Protective Equipment:

Safety glasses or goggles.

Emergency Overview

Breathing dust from this product may cause temporary scratchy throat, congestion, and slight coughing. Getting dust or fibers on the skin or in the eyes may cause temporary itching, rash, or redness.

Potential Health Effects

Inhalation: Fiber glass filament is a mechanical irritant. Breathing dusts and fibers may cause short term irritation of the mouth, nose and throat.

Skin Contact: Skin contact with dust and fibers may cause itching and short term irritation.

Eye Contact: Eye contact with dust and fibers may cause short term mechanical irritation.

Ingestion: Ingestion may cause short term mechanical irritation of the stomach and intestines.

Medical Conditions Aggravated by Exposure: Chronic respiratory or skin conditions may temporarily worsen from exposure to these products.



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Section 3 - Composition / Information on Ingredients

Name	CAS Number	Weight %	ACGIH Exposure Limit*	OSHA PEL
Fiberglass	65997-17-3	3-7	1 fiber/cc	1 fiber/cc
Limestone	471-34-1	0-40	10 mg/m ³	15 mg/m ³ (total) 5 mg/m ³ (respirable fraction)
Asphalt	64742-93-4	20-50	0.5 mg/m ³ (fume)	NA
Mineral Granules	NA	0-35	10 mg/m ³	15 mg/m ³ (total) 5 mg/m ³ (respirable fraction)
Sand	NA	0-5	10 mg/m ³	15 mg/m ³ (total) 5 mg/m ³ (respirable fraction)

Section 4 - First Aid Measures

Eye Contact:

Do not rub or scratch your eyes. Dust particles may cause the eye to be scratched. Flush with water for 5–15 minutes. If irritation persists, contact a doctor.

Skin Contact:

Wash gently with soap and warm water to remove dust and fibers. Wash hands before eating or using rest room.

Ingestion:

Do not induce vomiting. SEEK IMMEDIATE MEDICAL ATTENTION.

Inhalation:

Remove person to fresh air. Drink water to clear throat and blow nose to move fibers and dusts.

NOTES TO PHYSICIAN:

None

Section 5 - Fire Fighting Measures

Suitable extinguishing media: There is no potential for fire or explosion. If involved with a fire, use normal fire fighting procedures to prevent inhalation of smoke and gases. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

Specific hazards: None.

Special protective equipment for firefighters: None

Flash point: Not applicable

Autoignition temperature: Not applicable

Flammable limits in air - lower (%): Not applicable

Flammable limits in air - upper (%): Not applicable

NFPA rating:

Flammability: 1

Health: 1

Instability: 0

Other: -



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Section 6 - Accidental Release Measures

Personal precautions: Pick up large pieces. Vacuum dusts. Do not sweep dry dusts. If sweeping is necessary, use a dust suppressant such as water. These wastes are not hazardous as defined by the Resource Conservation and Recovery Act (40 CFR 261). Comply with state and local regulations for disposal of this product.

Section 7 - Handling and Storage

Handling Procedures:

Comply with all applicable EPA, OSHA, NFPA and state and local requirements. Observe personal protection guidelines of Section 8. Avoid skin contact.

Storage Procedures:

Store product in an area where it will not easily be disturbed or generate dust.

Section 8 - Exposure Controls / Personal Protection

Engineering measures:

Local or general exhaust required in an enclosed area or when there is inadequate ventilation.

Respiratory Protection:

A properly fitted NIOSH approved disposable dust respirator should be used when high dust levels are encountered, the level of glass fibers in the air exceeds the OSHA PEL, or if irritation occurs. Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.

Skin Protection:

A loose fitting, long sleeved cotton shirt, long cotton pants, and gloves are recommended.

Eyes/Face Protective Equipment:

Wear safety glasses or goggles.

Work Practices:

Handle with good industrial hygiene and safety practices. These include avoiding any unnecessary exposure and removal of the material from the skin, eyes and clothing. Wash hands and arms frequently, shower after exposure and wash work clothes when soiled.

Section 9 - Physical & Chemical Properties

Appearance: Paper or glass fiber mat coated with asphalt, packaged in bundles or roll form.

Physical state (Solid/Liquid/Gas): Solid

Substance type (Pure/Mixture): Mixture

Color: Black

Odor: Slight asphalt odor

Molecular weight: Not determined

pH: Neutral

Boiling point/range (5-95%): Not applicable

Melting point/range: >200 F

Decomposition temperature: Not applicable

Specific gravity: Variable

Density: Variable

Bulk density: Not applicable

Vapor density: Not applicable

Vapor pressure: Not applicable

Evaporation rate: No data available

Solubility: Not applicable



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Solubility in other solvents: Not applicable
Partition coefficient (n-octanol/water): Not applicable
VOC content (%): Not applicable
Viscosity: Not applicable

Section 10 - Chemical Stability & Reactivity Information

Stability: The material is a stable solid at normal usage temperatures.

Polymerization: Will not occur.

Hazardous decomposition products: The decomposition products from this material are those that would be expected from any organic (carbon-containing) material, and are mainly derived from burning of the resins and binders. These decomposition products may include carbon monoxide, carbon dioxide & carbon particles.

Materials to avoid: None.

Conditions to avoid: Excessive heat, excessive mechanical handling outside the normal usage that would generate dust.

Section 11 - Toxicological Information

Acute and Chronic Toxicity:

EXPOSURE LIMITS: Reference: "Guide to Occupational Exposure Values 2000, Compiled by ACGIH®"

GLASS FIBERS: CAS 65997-17-3; Listed as Synthetic Vitreous Fibers – Continuous filament glass fibers

OSHA: 1-f/cc (fiber per cubic centimeter), proposed.

ACGIH: 1-f/cc TWA for fibers longer than 5µm with a diameter < 3µm; 5-mg/m³ TWA inhalable particulate.

NIOSH: 5-mg/m³, or 3-f/cc TWA (for fibers <=3.5µm diameter; and >=10µm length)

CALCIUM CARBONATE: CAS 471-34-1

OSHA: 15-mg/m³ total dust; 5-mg/m³ respirable fraction

ACGIH: 10-mg/m³

NIOSH: 10-mg/m³ total dust; 5-mg/m³ respirable fraction

A: General Product Information

LD50/LC50 For Chemicals, Which May Be Released During Use

B: Component Analysis - LD50/LC50

CALCIUM CARBONATE: CAS 471-34-1:

Oral LD50 Rat : 6450 mg/kg

GLASS FIBERS: CAS 65997-17-3:

Chronic Toxicity: No chronic health effects are known to be associated with exposure to continuous filament fiber glass. Results from epidemiologic studies have not shown any increases in respiratory disease or cancer.

Carcinogenicity:

A: General Product Information

The International Agency for Research on Cancer (IARC) has classified continuous filament fiber glass as a Group 3 substance, not classifiable as to its carcinogenicity to humans. Because of the large diameter of continuous filament fibers, these products are not considered respirable.

B: Component Carcinogenicity

GLASS FIBERS: CAS 65997-17-3:

IARC: Monograph 43; 1988: Group 3 (not classifiable)

ACGIH: A4 – Not Classifiable as a Human Carcinogen

CALCIUM CARBONATE: CAS 471-34-1: None



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Section 12 - Ecological Information

Ecotoxicity:

No data available for this product. This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Section 13 - Disposal Considerations

US EPA Waste Number & Descriptions:

This material as supplied and by itself, when discarded or disposed of, is not an EPA RCRA hazardous waste according to federal regulations. This material could become a hazardous waste if mixed or contaminated with a hazardous waste or other substance(s). It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations.

Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14 - Transportation Information

49 CFR 172.101:

DOT:

Transport Information: This material when transported via US commerce would not be regulated by DOT Dangerous Goods Regulations.

Proper shipping name: Not applicable

UN/Identification No: Not applicable

Hazard Class: Not applicable

Packing group: Not applicable

DOT reportable quantity (lbs): Not applicable.



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Section 15 - Regulatory Information

US Federal Regulatory Information

US TSCA Chemical Inventory Section 8(b):

This product and/or its components are listed on the TSCA Chemical Inventory.

OSHA Hazard Communication Standard:

This product has been evaluated and determined to be hazardous as defined by the OSHA Hazard Communication Standard due to the potential for mild skin irritation and mild respiratory irritation.

SARA Section 302:

This product contains the following component(s) that have been listed on EPA's Extremely Hazardous Substance (EHS) List:

- None

SARA Section 304:

This product contains the following component(s) identified either as an EHS or a CERCLA Hazardous substance which in case of a spill or release may be subject to SARA reporting requirements:

- None

SARA 311/312

Hazard Classification under SARA 311/312:

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

SARA Section 313:

This product contains the following component(s) that may be subject to reporting on the Toxic Release Inventory (TRI) From R:

- None

US State Regulatory Information

State Hazardous Substances Listing

Neither this product nor any of its components appears on any state hazardous substances lists.

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

International Regulatory Information

Canada DSL/NDSL Inventory:

Neither this product nor any of its components is listed either on the Domestic Substances List (DSL)

WHMIS Status:

Not controlled

WHMIS Classification:

None



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Section 16 - Other Information

Key/Legend:

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act; DSL = Canadian Domestic Substance List; EINECS = European Inventory of New and Existing Chemical Substances; WHMIS = Workplace Hazardous Materials Information System; CAA = Clean Air Act

Revision Summary:

This MSDS was created on February 10, 2015. Read this information carefully before use of the product.

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