



Section 1 - Product and Company Identification

- Material Name** • Weather Armor – FT3 Fleece Top Roof Underlayment
- Chemical Category** • Article – Solid (Not Classified)
- Product Code** • AP-4200-2
- Product Description** • Roll Roofing Underlayment
- Product Use** • Roofing
- Synonyms** • Repair / Waterproofing Membrane

Manufacturer • APOC
4161 E. 7th Avenue
Tampa, FL 33605
United States

Telephone

- Technical** • 813-248-2101 - Customer Service: 8 AM - 5 PM M-F Eastern Standard Time
- Emergency** • 800-424-9300 - CHEMTREC
- Emergency** • 703-527-3887 - CHEMTREC (Outside US)

Section 2 - Hazards Identification

GHS HAZARDS AND PRECAUTIONS

SIGNAL WORD: WARNING!

This product is an article and exempt as "articles" from chemical classification per OSHA hazard communication. Under normal use conditions, these products are not expected to pose major physical or health risk to human. Do not burn using direct heat or flame. Inhalation of product dust may cause respiratory irritation. May cause eye or skin irritation with prolonged contact. Do not handle until all safety precautions have been read and understood. Harmful if swallowed or if inhaled. May be harmful in contact with skin. This product contains petroleum asphalt. Petroleum asphalt is not listed as a carcinogen by OSHA or NTP. The National Institute of Occupational Safety and Health (NIOSH), has concluded that at higher temperatures roofing asphalt fumes are a potential occupational carcinogen. If this product is heated or burning, avoid breathing fumes. This product may contain small amounts of polycyclic aromatic hydrocarbons (PAH's) which are recognized carcinogens in humans and experimental animals. Mouse skin painting studies of roofing asphalt vapor concentrate have shown evidence of tumor formation associated with localized skin irritation in recent studies. Under normal specific use of this product at ambient temperature, asphalt vapors are not expected.

Prevention Do not burn using direct heat or flame. Wear gloves and protect exposed skin with clothing to prevent irritation.

Response IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.



Physical Form • Solid

- Color** • Black
- Odor** • Mild Hydrocarbon.
- Flash Point** • Not Applicable – Solid
- OSHA(HCS2012)** • Not Classified per HCS or GHS – Article Exemption
- GHS** • Not Classified

Potential Health Effects

Inhalation

- Acute (Immediate)** • May cause irritation. May be harmful if inhaled.
- Chronic (Delayed)** • This product contains crystalline silica which is listed by IARC as a suspect carcinogen. Silicosis (pulmonary fibrosis or severe lung scarring) may occur if exposed to high levels or repeated encounters with dust. Most silica is encapsulated into the solid material. Exposure to airborne particles that exceed the limits listed may cause lung cancer.

Skin

- Acute (Immediate)** • May be harmful if absorbed through the skin. May cause irritation.
- Chronic (Delayed)** • Repeated and prolonged exposure may cause dermatitis. May be harmful if absorbed through the skin.

Eye

- Acute (Immediate)** • This product contains abrasive materials which may irritate the eye.
- Chronic (Delayed)** • Repeated and prolonged exposure to eye may cause irritation.

Ingestion

- Acute (Immediate)** • May be harmful if swallowed.
- Chronic (Delayed)** • Repeated and prolonged exposure may be harmful.

Carcinogenic Effects • See Section 11 - Toxicological Information.

Carcinogenic Effects			
	CAS	IARC	NTP
Asphalt(high temp)	8052-42-4	Group 2B-Possible Carcinogen Group 3-Not Classifiable	Under Consideration
Quartz	14808-60-7	Group 1-Carcinogen	Known Human Carcinogen
Fibrous Glass	65997-17-3	Monograph 81 [2002] (listed under Man-made mineral fibers), Monograph 43 [1988] (related to Insulation glass wool) (Group 3 (not classifiable))	Reasonably Anticipated To Be A Carcinogen (respirable size) (related to Glass wool) (Possible Select Carcinogen)

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Hazardous Components				
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive
Asphalt	CAS:8052-42-4 EINECS:232-490-9	32-55%	Ingestion/Oral-Rat LD50 >5000 mg/kg Inhalation-Rat LC50 >94.4 mg/m ³	WHMIS: Other Toxic Effects - D2A UN GHS: Carc. 2; Eye Irrit. 2A; Skin Irrit. 2
Styrene/Butadiene Polymer	CAS: 9003-55-8	0-9%	NDA	UN GHS: Not Classified
Calcium Carbonate	CAS: 1317-65-3	4-28%	NDA	UN GHS: Eye Irrit. 2A; STOT RE 2
Crushed Mineral	CAS: Mixture	0-28%	NDA	UN GHS: Not Classified
Fibrous Glass	CAS: 65997-17-3	0-8%	NDA	OSHA HCS 2012: Not Classified
Quartz	CAS:14808-60-7 EC Number:238-878-4 EINECS:238-878-4	0-5%		UN GHS: Carc. 1A; STOT RE 1

Components				
Chemical Name	Identifiers	% weight	LD50/LC50	Classifications According to Regulation/Directive
Polypropylene	CAS: 9003-07-0	0-9%	NDA	UN GHS: Not Classified
Polyethylene	CAS: 9002-88-4	0-5%	NDA	UN GHS: Not Classified
Ethylene Propylene Copolymer	CAS: 9010-79-1	0-9%	NDA	UN GHS: Not Classified
Styrene/Isoprene Styrene	CAS: 25038-32-8	0-5%	NDA	UN GHS: Not Classified
Petroleum Hydrocarbon Resin	CAS: 68527-25-3	0-15%	NDA	UN GHS: Not Classified
Non-woven Polyester	CAS: N/A	0-20%	NDA	UN GHS: Not Classified

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or vapors may be generated by handling and heating this product.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

- Inhalation** • Remove to fresh air. Call a physician or poison control center. If not breathing, give artificial respiration.
- Skin** • Wash the contaminated area of body with soap and fresh water.
- Eye** • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Get medical attention immediately.
- Ingestion** • Call a physician or poison control center immediately. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting.

See Section 2 for Potential Health Effects.

Section 5 - Fire Fighting Measures

- Extinguishing Media** • LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical or CO2.
- Unsuitable Extinguishing Media** • No Data Available
- Firefighting Procedures** • Keep unauthorized personnel away. Stay upwind. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
- Unusual Fire and Explosion Hazards** • May release irritating or toxic gases, fumes, or vapors. Thick Black Smoke will be produced if burning.
- Hazardous Combustion Products** • Carbon monoxide, carbon dioxide, hydrocarbons. Sulfur Oxides, Nitrogen Oxides, Hydrogen Sulfide.
- Protection of Firefighters** • Wear positive pressure self-contained breathing apparatus (SCBA).
- Flash Point** • NA
- Explosion Limits:**
- Upper** • NA
- Lower** • NA
- Autoignition Temperature** • > 800°F

Section 6 - Accidental Release Measures

- Personal Precautions** • Take precaution when approaching burning materials. Toxic and Hazardous gases can be released.
- Emergency Procedures** • Be aware of stacked product pallets becoming unstable if damaged.
- Containment/Clean-up Measures** • Pick up large pieces of material. Secure damaged rolls on a pallet before attempting to move.
- Prohibited Materials** • Avoid contact with strong oxidizing agents and acids.

Section 7 - Handling and Storage

- Handling**
- Use this product with adequate ventilation. Keep containers tightly secured and wrapped on pallets when not in use. Use in areas with adequate ventilation to prevent dust exposure. Do not breathe dusts or fumes generated from cutting or heating this material. Keep this product away from heat, sparks, or open flame.
- Storage**
- Keep away from sources of ignition - No Smoking. Do not directly heat or burn this product. Keep away from incompatible materials. KEEP OUT OF THE REACH OF CHILDREN!
- Incompatible Materials or Ignition Sources**
- Avoid contact with strong oxidizing agents and acids.

Section 8 - Exposure Controls/Personal Protection

Personal Protective Equipment

Pictograms



- Respiratory** • Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.
- Eye/Face** • Wear protective eyewear (goggles, face shield, or safety glasses).
- Hands** • Wear protective gloves when handling this product. Gloves that protect the forearm are recommended.
- Skin/Body** • Wear clothing that covers the skin to prevent skin exposure
- General Industrial Hygiene Considerations**
- Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke during work. Wash hands before eating.
- Engineering Measures/Controls** • Adequate ventilation systems as needed to control concentrations of airborne dust and contaminants below applicable threshold limit values.

Exposure Limits/Guidelines					
	Result	ACGIH	OSHA	NIOSH	United States - California
Asphalt (8052-42-4)	TWAs	0.5 mg/m ³ TWA (fume, inhalable fraction, as benzene soluble aerosol)		Not established	5 mg/m ³ PEL (fume)
	Ceilings	Not established		5 mg/m ³ Ceiling (fume, 15 min)	Not established
Quartz (14808-60-7)	TWAs	0.025 mg/m ³ TWA (respirable fraction)		0.05 mg/m ³ TWA (respirable dust)	0.3 mg/m ³ PEL (total dust); 0.1 mg/m ³ PEL (respirable dust)
Calcium carbonate (1317-65-3)	TWAs		15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	

Exposure Control Notations

ACGIH

Asphalt (8052-42-4): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free))

Section 9 - Physical and Chemical Properties

Material Description

Physical Form	Granulated Roll	Appearance/Description	Solid Black Roll
Color	Black	Odor	Mild Hydrocarbon.

General Properties

Boiling Point	>650°F	Melting Point	>290°F
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Specific Gravity	1.021.03	Bulk Density	No data available
Water Solubility	<0.1%	Solvent Solubility	No data available
Volatility			
Vapor Pressure	N/A	Vapor Density	Air=1
Flammability			
Flash Point	>430°F	UEL	N/A
LEL	N/A	Autoignition	N/A

Section 10 - Stability and Reactivity

Stability	<ul style="list-style-type: none"> Stable under normal temperatures and pressures.
Hazardous Polymerization	<ul style="list-style-type: none"> Hazardous polymerization not indicated.
Conditions to Avoid	<ul style="list-style-type: none"> None Known
Incompatible Materials	<ul style="list-style-type: none"> None Known

Section 11 - Toxicological Information

Component Name	CAS	Data
Asphalt (32% TO 55%)	8052-42-4	Acute Toxicity: orl-rat LD50:>5000 mg/kg; ihl-rat LC50:>94.4 mg/m3; ihl-hmn TDL0:10 mg/m3/5.5Y-I; Tumorigen/Carcinogen: skn-mus TDL0:905 gm/kg/2Y-I
Hydrogen sulfide (< 0.1%)	7783-06-4	Acute Toxicity: ihl-mus LC50:634 ppm/1H; Irritation: eye-hmn 0.000125 ppm/5H
Other Information – Asphalt		This product contains petroleum asphalt. Petroleum asphalt is not listed as a carcinogen by OSHA or NTP. The National Institute of Occupational Safety and Health (NIOSH), has concluded that at higher temperatures roofing asphalt fumes are a potential occupational carcinogen. If this product is heated or comes in contact with heated material, avoid breathing fumes. This product may contain small amounts of polycyclic aromatic hydrocarbons (PAH's) which are recognized carcinogens in humans and experimental animals. Mouse skin painting studies of roofing asphalt vapor concentrate have shown evidence of tumor formation associated with localized skin irritation in recent studies. Inhalation studies of high airborne concentrations of asphalt/bitumen fumes in rats and mice produced bronchitis, pneumonitis, and lung changes such as fibrosis and cell damage.
Other Information – Fibrous Glass		This product contains glass wool insulation fibers. Following a thorough review of all the medical-scientific data available at a meeting in October 2001, the IARC panel lowered the classification for glass wool insulation fibers from a Group 2B classification ("possibly carcinogenic to humans") to a Group 3 classification ("not classifiable as to carcinogenicity to humans"). IARC said that there is "no evidence of increased risks of lung cancer or of mesothelioma from occupational exposures during manufacturing of these materials, and inadequate evidence over all of any cancer risk."
Other Information		When used under normal conditions, this product is not considered a carcinogen.

Section 12 - Ecological Information

Ecological Fate	<ul style="list-style-type: none"> No data available.
Persistence/Degradability	<ul style="list-style-type: none"> No data available.
Bioaccumulation Potential	<ul style="list-style-type: none"> No data available.
Mobility in Soil	<ul style="list-style-type: none"> No data available.

Section 13 - Disposal Considerations

Product • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transportation Information

DOT - United States - Department of Transportation – Not Regulated
TDG - Canada - Transport of Dangerous Goods – Not Regulated

Section 15 - Regulatory Information

- SARA Hazard Classifications** • Acute, Chronic
- CERCLA** • This material does not contain chemicals required to be identified under CERCLA (40 CFR 302.4).
- Risk & Safety Phrases** • California PROP 65: Asphalt and Asphalt Fumes may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.

State Right To Know				
Component	CAS	MA	MN	NJ
Asphalt	8052-42-4	Yes	Yes	Yes
Calcium Carbonate	1317-65-3	Yes	Yes	No
Fibrous Glass	65997-17-3	Yes	Yes	No
Quartz	14808-60-7	Yes	Yes	Yes

Canada

- Labor**
- Canada - WHMIS - Classifications of Substances
- Asphalt 8052-42-4 32% TO 55% Not Listed

United States

- Environment**
- U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities
- Asphalt 8052-42-4 32% TO 55% Not Listed
- U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs
- Asphalt 8052-42-4 32% TO 55% Not Listed

United States - California

- Labor**
- U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances
- Asphalt 8052-42-4 32% TO 55% (Petroleum fumes, includes any liquids or products that could give rise to fumes under normal conditions)

Section 16 - Other Information

- Prepared By** • GG Inc.
- Last Revision Date** • 4/20/2016
- Disclaimer/Statement of Liability** • This information relates to the specific material designated and may not be valid for such material used in 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 is made as to its accuracy, reliability or completeness. It is the user's responsibility to verify the suitability and completeness of such information for particular use. APOC does not accept liability for any loss or damage that may occur from the use of this information.