

Safety Data Sheet

AP-0029

5-27-15



Section 1 - Product and Company Identification

Material Name • APOC 29 Premium Underlayment

Chemical Category • Article - Solid

Product Code • AP-0029

Product Description • Asphalt Saturated Underlayment

Product Use • Roofing, Sheathing, Moisture Barrier

Synonyms • Roofing Felt

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!

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 products 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 Surface Sheets

Color • Black

Odor • Mild Hydrocarbon.

- Flash Point** • Not Applicable – Solid
- OSHA(HCS2012)** • Specific Target Organ Toxicity Single Exposure - Category 3: Respiratory Tract Irritation (burning product), Specific Target Organ Toxicity Repeated Exposure - Category 2, Skin Corrosion/Irritation
- WHMIS** • Other Toxic Effects - D2A
- GHS** • Specific Target Organ Toxicity Single Exposure - Category 3: Respiratory Tract Irritation (burning product), Specific Target Organ Toxicity Repeated Exposure - Category 2, Skin Corrosion/Irritation

Potential Health Effects

Inhalation

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

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 wood dust which may be present in small amounts to irritate the eye.
- Chronic (Delayed)** • Repeated and prolonged exposure to excess wood dust 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

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	Comments
Asphalt	CAS:8052-42-4 UN:NA1999 EINECS:232-490-9	30-60%	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	
Felt	CAS: Mixture	40-50%			

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** • Do not use direct stream of water.
- 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** • Some of these materials may burn, but none ignite readily. May release irritating or toxic gases, fumes, or vapors.
- 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** • Keep containers tightly secured and wrapped on pallets when not in use. Use in areas with adequate ventilation to prevent dust exposure.
- 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 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 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	Mexico	NIOSH	United States - California
Asphalt (8052-42-4)	TWAs	0.5 mg/m ³ TWA (fume, inhalable fraction, as benzene soluble aerosol)	5 mg/m ³ TWA LMPE-PPT	Not established	5 mg/m ³ PEL (fume)
	Ceilings	Not established	Not established	5 mg/m ³ Ceiling (fume, 15 min)	Not established

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	Solid Sheet	Appearance/Description	Solid Black Roll
Color	Black	Odor	Mild Hydrocarbon.

General Properties

Boiling Point	N/A	Melting Point	>200°F
Density	No data available	Bulk Density	No data available
Water Solubility	No data available	Solvent Solubility	No data available

Volatility

Vapor Pressure	N/A	Vapor Density	N/A
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Flammability

Flash Point	N/A	UEL	N/A
LEL	N/A	Autoignition	> 800 °F

Section 10 - Stability and Reactivity

- Stability** • Stable under normal temperatures and pressures.
- Hazardous Polymerization** • Hazardous polymerization not indicated.
- Conditions to Avoid** • Do not heat or burn this material with direct flame. Avoid contact with strong oxidizing agents and acids.
- Incompatible Materials** • Strong oxidizers and acids.

Section 11 - Toxicological Information

Component Name	CAS	Data
Asphalt (30% TO 60%)	8052-42-4	Acute Toxicity: orl-rat LD50:>5000 mg/kg; ihl-rat LC50:>94.4 mg/m ³ ; ihl-hmn TDLo:10 mg/m ³ /5.5Y-I; Tumorigen/Carcinogen: skn-mus TDLo: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 – Wood Dust	This product contains wood dust. The NTP and IARC have classified wood dust as a known human carcinogen. IARC concluded that there was an increased risk of adenocarcinomas of the nasal cavities and paranasal sinuses. The nature of this asphalt product encapsulates the felt paper but ripping, grinding, tearing, sanding, and any demolition work may release wood dust.

Section 12 - Ecological Information

- Ecological Fate** • No data available.
- Persistence/Degradability** • No data available.
- Bioaccumulation Potential** • No data available.
- Mobility in Soil** • 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
- IMO/IMDG** –International Maritime Transport – Not Regulated as Hazardous Material

Section 15 - Regulatory Information

- SARA Hazard Classifications** • Acute, Chronic
- 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

Inventory			
Component	CAS	EU EINECS	TSCA
Asphalt	8052-42-4	Yes	Yes

Canada

Labor

- Canada - WHMIS - Classifications of Substances**
- Asphalt 8052-42-4 30% TO 60% Not Listed

United States

Environment

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Asphalt 8052-42-4 30% TO 60% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- Asphalt 8052-42-4 30% TO 60% Not Listed

United States - California

Labor

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Asphalt 8052-42-4 30% TO 60% (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

- 5/27/2015

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.
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Safety Data Sheet

AP-0049

5-27-15



Section 1 - Product and Company Identification

- Material Name** • APOC 49 Premium Underlayment
- Chemical Category** • Article - Solid
- Product Code** • AP-0049
- Product Description** • Asphalt Saturated Underlayment
- Product Use** • Roofing, Sheathing, Moisture Barrier
- Synonyms** • Roofing Felt

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!

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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 Surface Sheets
- Color** • Black
- Odor** • Mild Hydrocarbon.

- Flash Point** • Not Applicable – Solid
- OSHA(HCS2012)** • Specific Target Organ Toxicity Single Exposure - Category 3: Respiratory Tract Irritation (burning product), Specific Target Organ Toxicity Repeated Exposure - Category 2, Skin Corrosion/Irritation
- WHMIS** • Other Toxic Effects - D2A
- GHS** • Specific Target Organ Toxicity Single Exposure - Category 3: Respiratory Tract Irritation (burning product), Specific Target Organ Toxicity Repeated Exposure - Category 2, Skin Corrosion/Irritation

Potential Health Effects

Inhalation

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

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 wood dust which may be present in small amounts to irritate the eye.
- Chronic (Delayed)** • Repeated and prolonged exposure to excess wood dust 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

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	Comments
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Felt	CAS: Mixture	40-50%			

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** • Do not use direct stream of water.
- 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** • Some of these materials may burn, but none ignite readily. May release irritating or toxic gases, fumes, or vapors.
- 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** • Keep containers tightly secured and wrapped on pallets when not in use. Use in areas with adequate ventilation to prevent dust exposure.
- 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 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 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	Mexico	NIOSH	United States - California
Asphalt (8052-42-4)	TWAs	0.5 mg/m ³ TWA (fume, inhalable fraction, as benzene soluble aerosol)	5 mg/m ³ TWA LMPE-PPT	Not established	5 mg/m ³ PEL (fume)
	Ceilings	Not established	Not established	5 mg/m ³ Ceiling (fume, 15 min)	Not established

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	Solid Sheet	Appearance/Description	Solid Black Roll
Color	Black	Odor	Mild Hydrocarbon.

General Properties

Boiling Point	N/A	Melting Point	>200°F
Density	No data available	Bulk Density	No data available
Water Solubility	No data available	Solvent Solubility	No data available

Volatility

Vapor Pressure	N/A	Vapor Density	N/A
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Flammability

Flash Point	N/A	UEL	N/A
LEL	N/A	Autoignition	> 800 °F

Section 10 - Stability and Reactivity

- Stability** • Stable under normal temperatures and pressures.
- Hazardous Polymerization** • Hazardous polymerization not indicated.
- Conditions to Avoid** • Do not heat or burn this material with direct flame. Avoid contact with strong oxidizing agents and acids.
- Incompatible Materials** • Strong oxidizers and acids.

Section 11 - Toxicological Information

Component Name	CAS	Data
Asphalt (30% TO 60%)	8052-42-4	Acute Toxicity: orl-rat LD50:>5000 mg/kg; ihl-rat LC50:>94.4 mg/m ³ ; ihl-hmn TDLo:10 mg/m ³ /5.5Y-I; Tumorigen/Carcinogen: skn-mus TDLo: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 – Wood Dust	This product contains wood dust. The NTP and IARC have classified wood dust as a known human carcinogen. IARC concluded that there was an increased risk of adenocarcinomas of the nasal cavities and paranasal sinuses. The nature of this asphalt product encapsulates the felt paper but ripping, grinding, tearing, sanding, and any demolition work may release wood dust.

Section 12 - Ecological Information

- Ecological Fate** • No data available.
- Persistence/Degradability** • No data available.
- Bioaccumulation Potential** • No data available.
- Mobility in Soil** • 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
IMO/IMDG –International Maritime Transport – Not Regulated as Hazardous Material

Section 15 - Regulatory Information

- SARA Hazard Classifications** • Acute, Chronic
- 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
Inventory				
Component	CAS	EU EINECS	TSCA	
Asphalt	8052-42-4	Yes	Yes	

Canada

Labor

- Canada - WHMIS - Classifications of Substances**
- Asphalt 8052-42-4 30% TO 60% Not Listed

United States

Environment

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Asphalt 8052-42-4 30% TO 60% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- Asphalt 8052-42-4 30% TO 60% Not Listed

United States - California

Labor

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Asphalt 8052-42-4 30% TO 60% (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

- 5/27/2015

Disclaimer/Statement of Liability

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