



# Material Safety Data Sheet

Product Name: OASIS® COMPOSITE DECKING

ID: 1324

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Product Use:** Non-structural wood-plastic composite with appearance similar to dimensional wood

**Other Designations:** Oasis® composite decking and railings, composite wood products

Alcoa Inc.  
201 Isabella Street  
Pittsburgh, PA 15212-5858

Phone: Health and Safety: 1-412-553-4649

**Manufacturer/Supplier**

Alcoa Home Exteriors, Inc.  
1590 Omega Drive  
Pittsburgh, PA 15205

Phone: 412-249-6000 or 866-496-0370

**Emergency Information:**

USA: Chemtrec: 1-800-424-9300 or 1-703-527-3887

Alcoa: 1-412-553-4001

**Website:**

For the most up-to-date MSDS, refer to the Alcoa website: [www.alcoa.com](http://www.alcoa.com)

## \*\*\* Section 2 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
Not Available	Wood flour	55-90
9002-88-4	High density polyethylene	5-35
Proprietary	Proprietary ingredients	<10
14807-96-6	Talc	>5

**Component Related Regulatory Information**

Some component information may be found under the following: Nuisance particulates.

## \*\*\* Section 3 - Hazards Identification \*\*\*

**Emergency Overview**

Solid, various shapes. Various colors. Odorless. Material will burn if ignited. Dust clouds generated during processing may be explosive.

Dust from processing can cause mechanical irritation of eyes, skin and respiratory tract. Contact with molten material can cause thermal burns.

**Potential Health Effects**

The following health effects are not likely to occur unless sawing or cutting generates dust or unless material is heated to melting.

**Eyes**

Can cause mechanical irritation.

**Skin**

Can cause mechanical irritation and dermatitis. Contact with molten material can cause thermal burns.

**Inhalation**

Can cause irritation and sensitization.

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## Health Effects of Ingredients

Components are bound in a polymeric matrix and will not be released under general conditions of use. Sawing or cutting operations that generate large quantities of fine dusts or combustion of the material may result in exposure to dusts of these components.

**Wood dust and fumes** Can cause mechanical irritation of eyes, skin and respiratory tract. Skin contact: Can cause dermatitis and sensitization. Chronic overexposures: Can cause respiratory sensitization, asthma and nasal cancer. Sensitization and asthma are believed to be species specific. IARC/NTP: Listed as "known to be a human carcinogen" by the NTP. Listed as carcinogenic to humans by IARC (Group 1)\*.

**Talc (asbestos-free and <1% silica)** Can cause irritation of eyes, skin and upper respiratory tract. Chronic overexposures: Can cause lung damage.

## \*IARC Classification Definitions

Group 1: The agent is carcinogenic to humans. There is sufficient evidence that a causal relationship existed between exposure to the agent and human cancer.

## Medical Conditions Aggravated By Exposure to the Product

Asthma, chronic lung disease, and skin rashes.

## \* \* \* Section 4 - First Aid Measures \* \* \*

### First Aid: Eyes

Dust from processing: Flush eyes with plenty of water or saline for at least 15 minutes. Consult a physician.

### First Aid: Skin

Dust from processing: Wash skin with soap and water for at least 15 minutes. Consult a physician if irritation persists.

Molten material: If molten material gets on skin, cool rapidly with cold water. Do not attempt to peel material from skin. Get medical treatment for thermal burn.

### First Aid: Inhalation

Dust from processing: Remove to fresh air. If unconscious or severely injured, check for clear airway, breathing and presence of pulse. Perform CPR if there is no pulse or respiration. Consult a physician.

## \* \* \* Section 5 - Fire Fighting Measures \* \* \*

### Flammable/Combustible Properties

While not considered "flammable" or "combustible" as defined by OSHA or DOT, the material will burn if ignited.

### Fire/Explosion

Dust clouds generated during processing may be explosive.

### Extinguishing Media

Use dry chemical, water spray (fog), alcohol-resistant foam or carbon dioxide extinguishing agents. Manual fire fighting may be difficult due to the presence of thick smoke.

### Fire Fighting Equipment/Instructions

Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

## \* \* \* Section 6 - Accidental Release Measures \* \* \*

### Small/Large Spill

Recover using mechanical means. Collect scrap for recycling.

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## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling/Storage

Avoid generating dust. Avoid eye and skin contact with dust. Good housekeeping practices must be maintained. Store in a cool, dry area. Store away from heat, sparks, flames, oxidizers, and other incompatible substances.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Engineering Controls

Use with adequate ventilation to meet the limits listed in Section 8, Exposure Guidelines.

### Personal Protective Equipment

#### Respiratory Protection

Use NIOSH-approved respiratory protection as specified by an Industrial Hygienist or other qualified professional if concentrations exceed the limits listed in Section 8, Exposure Guidelines. Suggested respiratory protection: N95

#### Eye Protection

Wear safety glasses/goggles to avoid eye injury.

#### Skin Protection

Wear appropriate gloves to avoid any skin injury.

### Exposure Guidelines

#### A: General Product Information

No information available for product.

#### B: Component Exposure Limits

##### Wood flour (Not Available)

ACGIH 5 mg/m<sup>3</sup> TWA

ACGIH 10 mg/m<sup>3</sup> STEL

OSHA 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction) (related to Particulates not otherwise regulated)

##### Talc (14807-96-6)

ACGIH 2 mg/m<sup>3</sup> TWA (respirable fraction, particulate matter containing no asbestos and < 1% crystalline silica)

OSHA 20 mppcf TWA (containing no asbestos and <1% quartz)

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

**Physical State:** Solid, various shapes

**Boiling Point:** Not applicable

**Vapor Pressure:** Not applicable

**Solubility in Water:** Insoluble

**Density:** Not determined

**Odor:** Odorless

**Octanol-Water Coefficient:** Not applicable

**Appearance:** Various colors

**Melting Point:** Not applicable

**Vapor Density:** Not applicable

**Specific Gravity:** Not determined

**pH Level:** Not applicable

**Odor Threshold:** Not applicable

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Stability

Stable under normal conditions of use, storage, and transportation.

### Conditions to Avoid

Strong oxidizing agents, heat and ignition sources. Do not burn in open fires, stoves, fireplaces or residential boilers.

### Hazardous Decomposition

Carbon monoxide, carbon dioxide, partially oxidized organics, aldehydes and acrid smoke and fumes.

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## \*\*\* Section 11 - Toxicological Information \*\*\*

### Health Effects of Ingredients

**A: General Product Information:** No information available for product.

**B: Component Analysis - LD50/LC50**

**High density polyethylene (9002-88-4)**

Inhalation LC50 Mouse: 12 g/m<sup>3</sup>/30M

**Proprietary ingredients (Proprietary)**

Oral LD50 Rat: >10 g/kg; Oral LD50 Mouse: >10 g/kg

### Carcinogenicity

**A: General Product Information:** No information available for product.

**B: Component Carcinogenicity**

**High density polyethylene (9002-88-4)**

IARC Supplement 7, 1987; Monograph 19, 1979

**Talc (14807-96-6)**

ACGIH A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers); A1 - Confirmed Human Carcinogen (containing asbestos fibers)

IARC Supplement 7, 1987; Monograph 42, 1987

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

**A: General Product Information:** No information available for product.

**B: Component Analysis - Ecotoxicity - Aquatic Toxicity**

No ecotoxicity data was found for this product's components.

**Environmental Fate:** No information available for product.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### Disposal Instructions

Reuse or recycle material whenever possible. Material may be disposed of at a sanitary landfill. Do not burn in open fires, stoves, fireplaces or residential boilers.

### US EPA Waste Number & Descriptions

**A: General Product Information**

RCRA Status: Not federally regulated in the U.S. if disposed of "as is." Otherwise, characterize in accordance with applicable regulations (40 CFR 261 or state equivalent in the U.S.)

**B: Component Waste Numbers**

RCRA waste codes other than described under Section A may apply depending on use of product. Refer to 40 CFR 261 or state equivalent in the U.S.

## \*\*\* Section 14 - Transportation Information \*\*\*

### Special Transportation

	PSN #1	PSN #2	PSN #3	PSN #4
Notes:	(1)			
Proper Shipping Name:	Not regulated			
Hazard Class:	-			
UN NA Number:	-			
Packing Group:	-			
RQ:	-			
Other - Tech Name:	-			
Other - Marine Pollutant:	-			

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**Notes:**

- (1) When "Not regulated", enter the proper freight classification, "MSDS Number", and "Product Name" on the shipping paperwork.

Canadian TDG Hazard Class & PIN:	Not regulated
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**\*\*\* Section 15 - Regulatory Information \*\*\***

**US Federal Regulations**

**A: General Product Information**

In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals.

**B: Component Analysis**

None of the components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

**SARA 311/312 Physical and Health Hazard Categories:**

- Immediate (acute) Health Hazard: No
- Delayed (chronic) Health Hazard: No
- Fire Hazard: No
- Sudden Release of Pressure: No
- Reactive: No

**State Regulations**

**A: General Product Information:** No information available for product.

**B: Component Analysis - State**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Wood flour	Not Available	No	No	No	No	No	Yes
Talc	14807-96-6	Yes	No	Yes	Yes	Yes	Yes

**Other Regulations**

**A: General Product Information:** No information available for product.

**B: Component Analysis - WHMIS IDL:** No components are listed in the WHMIS IDL.

**C: Component Analysis - Inventory**

Component	CAS #	TSCA	DSL	EINECS	AUST.	MITI
High density polyethylene	9002-88-4	Yes	Yes	No	Yes	Yes
Proprietary ingredients	Proprietary	Yes	Yes	Yes	Yes	Yes
Talc	14807-96-6	Yes	Yes	Yes	Yes	No

**\*\*\* Section 16 - Other Information \*\*\***

**MSDS History**

Original: January 14, 2005

**MSDS Status**

01/14/05: New MSDS

**Prepared By**

Hazardous Materials Control Committee  
Preparer: Jon N. Peace, 412-553-2293

**MSDS System Number**

169394

**Other Information**

\* Guide to Occupational Exposure Values-2004, Compiled by the American Conference of Governmental Industrial Hygienists (ACGIH).

\* Documentation of the Threshold Limit Values and Biological Exposure Indices, Sixth Edition, 1991, Compiled by the American Conference of Governmental Industrial Hygienists, Inc. (ACGIH).

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- \* NIOSH Pocket Guide to Chemical Hazards, U.S. Department of Health and Human Services, June 1994.
- \* Patty's Industrial Hygiene and Toxicology: Volume II: Toxicology, 4th ed., 1994, Patty, F. A.; edited by Clayton, G. D. and Clayton, F. E.: New York: John Wiley & Sons, Inc.
- \* Integrated Index(R), MICROMEDEX, Inc., 2004

## Key-Legend:

ACGIH	American Conference of Governmental Industrial Hygienists
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CPR	Cardio-pulmonary Resuscitation
DOT	Department of Transportation
DSL	Domestic Substances List (Canada)
EC	Effective Concentration
ED	Effective Dose
EINECS	European Inventory of Existing Commercial Chemical Substances
EPA	Environmental Protection Act
IARC	International Agency for Research on Cancer
LC <sub>50</sub>	Lethal concentration (50 percent kill)
LC <sub>Lo</sub>	Lowest published lethal concentration
LD <sub>50</sub>	Lethal dose (50 percent kill)
LD <sub>Lo</sub>	Lowest published lethal dose
LFL	Lower Flammable Limit
MITI	Ministry of International Trade & Industry
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PIN	Product Identification Number
PSN	Proper Shipping Name
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short Term Exposure Limit
TCLP	Toxic Chemicals Leachate Program
TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
UFL	Upper Flammable Limit
WHMIS	Workplace Hazardous Materials Information System
atm	atmosphere
cm	centimeter
g, gm	gram
in	inch
kg	kilogram
lb	pound
m	meter
mg	milligram
ml, ML	milliliter
mm	millimeter
mppcf	million particles per cubic foot
n.o.s.	not otherwise specified
ppb	parts per billion
ppm	parts per million
psia	pounds per square inch absolute
u	micron
ug	microgram

INFORMATION HEREIN IS GIVEN IN GOOD FAITH AS AUTHORITATIVE AND VALID; HOWEVER, NO WARRANTY, EXPRESS OR IMPLIED, CAN BE MADE.

This is the end of MSDS # 1324

# OASIS<sup>®</sup> COMPOSITE DECKING



## CAUTION

**Hazards:** Not hazardous under normal use. Sawing or cutting operations could generate large quantities of dust.

Dust generated during processing can cause mechanical irritation of eyes, skin and upper respiratory tract.

Chronic overexposures to wood dusts can cause skin sensitization, respiratory sensitization and nasal cancer.

Contact with heated or molten material can cause thermal burns.

**Precautions:** Avoid generating dust. Use appropriate personal protective equipment (safety glasses/gloves) to avoid injury. Use appropriate respiratory protection if concentrations exceed the permissible limits (N95).

**First Aid:** EYES: Dust from processing: Flush eyes with plenty of water or saline for at least 15 minutes. Consult a physician.

SKIN: Dust from processing: Wash skin with soap and water for at least 15 minutes. Consult a physician if irritation persists.

Molten material: If molten material gets on skin, cool rapidly with cold water. Do not attempt to peel material from skin. Get medical treatment for thermal burn.

INHALATION: Dust from processing: Remove to fresh air. If unconscious or severely injured, check for clear airway, breathing and presence of pulse. Perform CPR if there is no pulse or respiration. Consult a physician.

Read Alcoa Material Safety Data Sheet No. 1324 for more information about use and disposal.

Emergency Phone: (412) 553-4001.

INGREDIENTS:	CAS NUMBERS:
Wood flour	(--)
High density polyethylene	(9002-88-4)
Proprietary Ingredients	(--)
Talc	(14807-96-6)

**Alcoa Home Exteriors, Inc.**  
1590 Omega Drive, Pittsburgh, PA 15205

