



# OUTDOOR Firelogs

## Safety Data Sheet

SDS Number 112

NON-HAZARDOUS CHEMICAL.

SAFETY DATA SHEET IS NOT REQUIRED BY THE FOLLOWING INTERNATIONAL REGULATIONS:

Regulation (EC) No. 453/2010; US 29CFR1910.1200; Canadian Hazardous Products Regulation; Japanese Industrial Standard JIS Z 7253:2012; Australian Worksafe

Date of issue: 04/11/2019

Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Article  
Trade name : duraflame® OUTDOOR Firelogs  
CAS-No. : Mixture

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Stackable firelogs for use in outdoor fire pits and campfires. May also be used in indoor, open-hearth wood burning fireplaces.

#### 1.3. Supplier

Duraflame, Inc  
P.O. Box 1230 Stockton, CA 95201  
(209) 461-6600 (For product information)

#### 1.4. Emergency telephone number

EMERGENCY CONTACT PERSON: Chad Willis, Risk Manager, 24 hours: 606-875-3771  
EMERGENCY TRANSPORTATION NUMBER: 800-424-9300 Chemtrec (Continental U.S.)  
202-483-7616 (Alaska, Hawaii)  
EMERGENCY HEALTH NUMBER: 800-222-1222 National Capital Poison Center

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS classification
Sawdust from various softwood and hardwood species, ground agricultural biomass and other proprietary and miscellaneous materials.	(CAS-No.) LOLI No. RR-04544-3	45 - 60	Not classified
Fatty Alcohol	(CAS-No.) 68603-16-7	20 - 30	Not classified
Natural polysaccharide binding agents	Mixture (Trade secret)	5 - 15	Not classified
Fatty acids, C16-18	(CAS-No.) 67701-03-5	3 - 10	Not classified

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Name	Product identifier	%	GHS classification
Fatty acids, C14-18 and C16-18-unsatd., distr. residues	(CAS-No.) 70321-73-2	1 - 5	Not classified
Natural seed used for crackling sound	(CAS-No.) Proprietary	1 - 5	Not classified

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : This product is not hazardous. Not expected to require first aid measures.
- First-aid measures after inhalation : During combustion: If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Never give anything by mouth to an unconscious person.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Potential Adverse human health effects and symptoms : None under normal conditions.
- Symptoms/effects after inhalation : During combustion: Inhalation may cause: irritation, cough, shortness of breath.

#### 4.3. Immediate medical attention and special treatment, if necessary

All treatments should be based on observed signs and symptoms of distress in the patient.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Carbon dioxide. Foam. Dry chemical. Water spray.
- Unsuitable extinguishing media : None known.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : No particular fire or explosion hazard. Combustion generates: Carbon oxides (CO, CO<sub>2</sub>).
- Explosion hazard : Product is not explosive.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant/retardant clothing. Wear a self-contained breathing apparatus.
- Other information : Breaking up the burning log with a poker, etc. will cause a sudden flare-up and intensify the fire. Burning pieces of the firelog may stick to the poker.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : No additional risk management measures required.

##### 6.1.2. For emergency responders

- Emergency procedures : Collect as much as possible in a clean container for (preferable) reuse or disposal. No additional risk management measures required.

#### 6.2. Environmental precautions

Do not discharge into drains or the environment.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Recover the product by vacuuming, shoveling or sweeping.

#### 6.4. Reference to other sections

Section 7: safe handling. Section 8: personal protective equipment. Section 13: disposal information.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : None known.  
Precautions for safe handling : Handle with care to avoid breakage. Do not tear open the wrapper. Use only according to label directions.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place. Store in correctly labelled containers.  
Incompatible materials : Strong oxidizers.  
Storage temperature : < 49 °C (<120 F) (To prevent softening of the firelog. Softened product could break during handling).  
Prohibitions on mixed storage : Keep away from incompatible materials.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Fatty acids, C16-18 (67701-03-5)

Not applicable

##### Fatty acids, C14-18 and C16-18-unsatd., distn. residues (70321-73-2)

Not applicable

##### Fatty Alcohol (68603-16-7)

Not applicable

##### Sawdust from various softwood and hardwood species, ground agricultural biomass and other proprietary and miscellaneous materials. (LOLI No. RR-04544-3)

Not applicable

##### Natural polysaccharide binding agents

Not applicable

##### Natural seed used for crackling sound (Proprietary)

Not applicable

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : During combustion: Either local exhaust or general room ventilation is usually required. No special work practices are needed beyond the above recommendations under anticipated conditions of normal use.  
Consumer exposure controls : Never leave any firelog or wood fire unattended. Keep children and animals away from fireplaces when burning firelogs.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

None under normal use.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Solid.
Color	: Brown
Odor	: slight
Odor threshold	: No data available
pH	: No data available
Melting point	: > 60 °C (140 F)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 182 °C (360 F)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Material that in themselves are normally stable, even under fire conditions.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

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### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Conclusive but not sufficient for classification)

Acute toxicity (dermal) : Not classified (Conclusive but not sufficient for classification)

Acute toxicity (inhalation) : Not classified (Conclusive but not sufficient for classification)

#### Fatty acids, C16-18 (67701-03-5)

LD50 oral rat	> 5000 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Not classified (Conclusive but not sufficient for classification)

Serious eye damage/irritation : Not classified (Conclusive but not sufficient for classification)

Respiratory or skin sensitization : Not classified (Conclusive but not sufficient for classification)

Germ cell mutagenicity : Not classified (Conclusive but not sufficient for classification)

Carcinogenicity : Not classified (The chemicals used are not available in the physical form known to cause cancer.)

Reproductive toxicity : Not classified (Conclusive but not sufficient for classification)

Specific target organ toxicity – single exposure : Not classified (Conclusive but not sufficient for classification)

Specific target organ toxicity – repeated exposure : Not classified (Conclusive but not sufficient for classification)

Aspiration hazard : Not classified (Conclusive but not sufficient for classification)

Viscosity, kinematic : No data available

Likely routes of exposure : Dermal.

Potential Adverse human health effects and symptoms : None under normal conditions.

Symptoms/effects after inhalation : During combustion : Inhalation may cause: irritation, cough, shortness of breath.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

#### OUTDOOR Firelog (Mixture)

Persistence and degradability	Readily biodegradable.
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### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

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### 12.5. Other adverse effects

Effect on the ozone layer : None known  
Effect on global warming : None known

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.  
Waste disposal recommendations : Disposal via incineration is recommended. Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Do not attempt to handle or dispose of hot embers or firelog or firelighter that is still burning (even if it appears to be only smoking). Ash is not suitable for use as soil amendment; do not spread ash in gardens.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT  
Not applicable

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

### Additional information

Other information : Bill of Lading Description: duraflame® OUTDOOR Firelogs  
Product Code Number: 00287; 06287

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Fatty acids, C16-18 (67701-03-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Fatty acids, C14-18 and C16-18-unsatd., distn. residues (70321-73-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Fatty Alcohol (68603-16-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### Fatty Alcohol (68603-16-7)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

#### Fatty acids, C16-18 (67701-03-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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### Fatty acids, C14-18 and C16-18-unsatd., distn. residues (70321-73-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### National regulations

#### Fatty acids, C16-18 (67701-03-5)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on KECI (Korean Existing Chemicals Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

#### Fatty acids, C14-18 and C16-18-unsatd., distn. residues (70321-73-2)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

#### Fatty Alcohol (68603-16-7)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

### 15.3. US State regulations

#### OUTDOOR Firelog (Mixture)

U.S. - California - Proposition 65

**⚠ WARNING** Combustion of this product results in emissions that can expose you to chemicals including carbon monoxide, soot, smoke and other combustion by-products, which are known to the State of California to cause cancer, birth defects or other reproductive harm, and/or other adverse health effects. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

U.S. - California - Other information

BAAQMD Regulation 6, Rule 3 and SCAQMD Rule 445: Use of this and other solid fuels may be restricted at time by law. Please check 1-877-4NO-BURN or <http://www.8774NOBURN.ORG> before burning.

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Data sources : European Chemicals Agency (ECHA) Registered Substances list.  
Internal Company test data.  
National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.  
Organisation for Economic Co-operation and Development.

Abbreviations and acronyms : ACGIH: American Conference of Government Industrial Hygienists.  
ATE: Acute Toxicity Estimate.  
CAS: (Chemical Abstracts Service) number.  
EC50: Environmental Concentration associated with a response by 50% of the test population.  
GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).  
LC50: Median lethal concentration.  
LD50: Median lethal dose.  
SDS: Safety Data Sheet.  
TWA: Time Weighted Average.

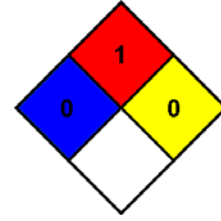
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NFPA health hazard	: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
NFPA fire hazard	: 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.



SDS US (GHS HazCom 2012)

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*Duraflame, Inc., reserves the right to revise this Safety Data Sheet periodically as new information becomes available.*