stax® Firelogs

Safety Data Sheet

SDS Number 106

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: 05/30/2008 Revision date: 04/27/2015 Supersedes: 05/30/2008 Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	: Article
Trade name	: stax® Firelogs
CAS No	: Mixture
Other means of identification	: Manufactured firelogs

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture	: **Firelogs:** For use in indoor, open-hearth wood burning fireplaces and wood stoves. May also be used in outdoor fireplaces & fire pits in well-ventilated areas (read instructions & cautions on package).

1.3. Details of the supplier of the safety data sheet

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: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS)

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Components below are used to manufacture the non-hazardous article.

Name	Product identifier	%	Classification (GHS)
Fatty acids, C16-18	(CAS No) 67701-03-5	Mixture	Not classified
Fatty acids, C14-18 and C16-18-unsatd., distn. residues	(CAS No) 70321-73-2		
Ground agricultural biomass and other proprietary and miscellaneous materials.	mixture	Mixture	Not classified
Natural seed for crackling sound and natural polysaccharide binding agent	mixture	Mixture	Not classified

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, both acute and delayed

Symptoms/injuries : No significant signs or symptoms indicative of any health hazard are expected to occur. During combustion: May cause respiratory irritation.

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

Symptoms/injuries after ingestion : Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

4.3. Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Foam. Dry chemical. Water spray.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No particular fire or explosion hazard. Combustion generates: Carbon oxides (CO, CO2).

Explosion hazard : Product is not explosive.

Reactivity : Normally stable, even under fire exposure conditions, and not reactive with water.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any 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.

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 : ≤ 48.9 °C (<120 °F) (To prevent softening of the firelog. Softened product could break during handling).

Prohibitions on mixed storage : Keep away from incompatible materials.

7.3. Specific end use(s)

Firelogs: For use in indoor, open-hearth wood burning fireplaces and wood stoves. May also be used in outdoor fireplaces & fire pits in well-ventilated areas (read instructions & cautions on package).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure 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.

Personal protective equipment : None under normal use.

Consumer exposure controls : Always close wire mesh protective fire screen when burning a firelog. Never leave any firelog fire unattended. Keep children and animals away from fireplaces when burning firelog. Read and follow the firelog label instructions.

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 : N/A

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

Explosion limits : No data available

Explosive properties : No data available

Oxidizing properties	: No data available
Vapor pressure	: N/A
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: Water: Solubility in water of component(s) of the mixture : • : 0.027 mg/l
Log Pow	: N/A
Log Kow	: N/A
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: N/A
Viscosity, dynamic	: N/A

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Normally stable, even under fire exposure conditions, and not reactive with water.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

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, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure	: Dermal
Acute toxicity	: Not classified. (Conclusive but not sufficient for classification)

Fatty acids, C16-18 (67701-03-5)	
LD50 oral rat	> 5000 mg/kg bodyweight
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. (Conclusive but not sufficient for classification)
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)
Potential Adverse human health effects and symptoms	: None under normal conditions.
Symptoms/injuries 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

stax® Firelogs	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : None known

Effect on the global warming : None known

SECTION 13: Disposal considerations

13.1. Waste treatment 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 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

Not considered a dangerous good for transport regulations

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

Additional information

Other information : Bill of Lading Description: Firelogs
Product Code Number: Various.

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

15.2. International regulations

CANADA

stax® Firelogs	
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all of the information required by the HPR
Fatty acids, C16-18 (67701-03-5)	
Listed on the Canadian DSL (Domestic Substances List)	
Fatty acids, C14-18 and C16-18-unsatd., distn. residues (70321-73-2)	
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)
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)

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Not classified

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)

15.3. US State regulations

stax® Firelogs	
U.S. - California - Proposition 65	Combustion of this manufactured firelog results in the emission of carbon monoxide, soot and other combustion by-products which are known by the State of California to cause cancer, birth defects or reproductive harm.
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

Indication of changes : GHS classification information.

Revision date : 04/27/2015

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.

Other information : SDS prepared by:

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NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.