

SAFETY DATA SHEET



Date of issue: 04/01/2016, Version: 1.0, English (EN)

SECTION 1: Identification

1.1. Identification

Product form : *Wood Pellets*
Trade name : *Indeck Energy Wood Pellet Fuel*

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

Use of the substance/mixture : This fuel is to be used in a pellet burning appliance only (Biomass/Heating Fuel)
Uses advised against : Not for human or animal consumption

1.3. Details of the supplier of the safety data sheet

Indeck Ladysmith, LLC
1951 Meadowbrook Road
Ladysmith, WI 54848 - USA
Tel: 715-532-3042, Fax: 715-532-3043
Email: info@indeckpellets.com

1.4. Emergency telephone number

Emergency number : 715-532-3042

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification
Not classified

2.2. Label elements

GHS-US labeling
No labeling applicable

2.3. Other hazards

Other hazards which do not result in classification : Wood dust is not expected in wood pellet form. If user activity generates wood dust, it may cause irritation of the eyes, skin or respiratory tract and may cause cancer.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Name : *Indeck Energy Wood Pellet Fuel*

Name	Product identifier	%	GHS-US classification
Wood chips/sawdust (various types)*	N/A	100	Not classified

*This product is made from 100% wood that is compressed to form densified wood pellets. There are no additives or binders used. Product is not expected to be hazardous in pellet form.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Wood Pellets are considered a benign product for most people. However, individuals with a propensity for allergic reactions may experience reactions and should contact their physician to establish the best remedial action to take if reaction occurs.
First-aid measures after inhalation : Wood Pellets are unlikely to be inhaled. Seek medical advice/attention if you feel unwell.
First-aid measures after skin contact : Wood Pellets are not normally irritating to skin.
First-aid measures after eye contact : If wood pellets contact eye(s), rinse immediately with plenty of water, also under the eyelids. Seek medical attention if pain, blinking or redness persists.
First-aid measures after ingestion : If wood pellets are swallowed, rinse mouth with water (do not swallow). Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use. If user operations generate wood dust, it may cause eye or skin irritation. Possible allergic reaction may occur if wood dust is inhaled. Wood dust may cause cancer if dust is inhaled.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Foam, dry powder, carbon dioxide, water spray and sand.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Wood pellets are a fuel and by nature are prone to catch fire when exposed to heat or fire. Product as shipped is not defined as combustible dust. Incomplete combustion may form carbon monoxide.
 Reactivity : None known under normal conditions of use.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Fire can be suppressed with water, foam or sand.
 Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

- General measures : If wood pellets are released, the material can be removed by sweeping or vacuuming. Take care to minimize generating wood dust. Spilled wood pellets may create a slip/trip hazard.

6.1.1. For non-emergency personnel

- Emergency procedures : Wood pellets can be removed by sweeping or vacuuming.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Wood pellets can be removed by sweeping or vacuuming.

6.2. Environmental precautions

No significant environmental hazard or adverse effect from human exposure resulting from the accidental release of this material is anticipated.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust.

6.4. Reference to other sections

See Section 8 ; Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Protect wood pellets from contact with water and moisture

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Protect wood pellets from exposure to ignition sources which may set off a fire. Store in a dry well ventilated location.
 Incompatible products : Strong oxidizing agents.
 Incompatible materials : Excessive moisture. Sources of ignition.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Indeck Energy Wood Pellet Fuel		
ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³ respirable dust
ACGIH	Remark (ACGIH)	Pulmonary function; Upper respiratory tract and lower respiratory tract irritation
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ respirable dust
OSHA	Remark (OSHA)	Respirable Fraction, 15 mg/m ³ total dust
NIOSH	NIOSH REL (TWA) (mg/m ³)	1 mg/m ³ respirable dust

8.2. Exposure controls

- Personal protective equipment : Not normally required when handling wood pellets.
 Hand protection : Wear protective cotton or leather style gloves.
 Eye protection : Wear safety glasses with side shields or goggles.
 Skin and body protection : Wear protective clothing.
 Respiratory protection : Avoid actions that cause wood dust exposure. Work in well-ventilated area. Use approved respiratory protection, minimally a NIOSH approved particulate respirator (dust mask).
 Other information : Follow good housekeeping and hygiene practices.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Solid
Color	: Brown (<i>light to dark</i>)
Odor	: Wood
Odor threshold	: No data available
pH	: 4 - 6
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Flammable
Explosive limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Density	: 40 - 46 lbs/cu ft
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

None known under normal conditions of use.

10.2. Chemical stability

Stable at normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Ignition sources. Contact with wet or moist environment.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition products are primarily carbon monoxide, carbon dioxide and methane.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Likely routes of exposure	: Skin and eye contact; Inhalation
Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met), pH: 4 - 6
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met), pH: 4 - 6
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on product form)

Wood dust	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Potential Adverse human health effects and symptoms	: Wood dust is not expected in wood pellet form. If user activity generates wood dust, it may cause irritation of the eyes, skin or respiratory tract and may cause cancer.

SECTION 12: Ecological information**12.1. Toxicity**

Ecology - general : Not harmful to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability : Not established.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No additional information available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste treatment methods: *Dispose of contents/container to comply with applicable local, national and international regulations.*

Waste disposal recommendations: *Dispose in a safe manner in accordance with local/national regulations.*

Ecology - waste materials: *Avoid release to the environment.*

SECTION 14: Transport information**Department of Transportation (DOT)**

- In accordance with DOT
- Not regulated for transport

TDG

- Not regulated for transport

Transport by sea

- Not regulated for transport

Air transport

- Not regulated for transport

SECTION 15: Regulatory information**15.1. US Federal regulations**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations**CANADA**

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Date of Preparation: 12/16/2015

Abbreviations and acronyms: TSCA - Toxic Substance Control.

TLV- Threshold Limit Value.

PEL- Permissible Exposure Level.

OSHA - Occupational Safety and Health Administration.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product