

# Frontier Tumbleweeds

## SAFETY DATA SHEET

### 1. IDENTIFICATION

**Product identifier:** Frontier Tumbleweeds

**Manufacturer Name:** Packaging Service Co., Inc.  
**Address:** 1904 Mykawa Road  
Pearland, TX 77581  
1-281-485-1458

**Telephone number:**

**Emergency phone number::** CHEMTREC: 1-800-424-9300 (USA)  
CANUTEC: 1-613-996-6666 (Canada)

**Recommended use:** Fire Starter

**Restrictions on use:** Use only as directed.

**Date of Preparation:** August 27, 2014

### 2. HAZARD(S) IDENTIFICATION

**Classification:**

Physical	Health
Flammable Solid Category 1 Self-Heating Category 2	Not Hazardous

**DANGER!**



**Hazard statement(s)**

Flammable Solid.  
Self-heating in large quantities; may catch fire.

**Precautionary statement(s)**

In case of fire: Use water spray, carbon dioxide, dry chemical or foam to extinguish.  
Maintain air gap between stacks and pallets.  
Store away from other materials.

**Precautionary statement(s)**

Keep away from flames and hot surfaces. – No smoking.  
Ground or bond container and receiving equipment.  
Use explosion-proof electrical equipment.  
Keep cool. Protect from sunlight.  
Wear protective gloves and eye protection.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Paraffin Wax	Proprietary	55%
Wood	Mixture	45%

#### 4. FIRST-AID MEASURES

**Inhalation:** No first aid required.

**Skin contact:** No first aid required.

**Eye contact:** Immediately flush eyes with water for several minutes while lifting the upper and lower lids. Get medical attention if irritation occurs and persists.

**Ingestion:** No first aid required. If large amounts are swallowed, get medical advice.

**Most important symptoms/effects, acute and delayed:** May cause slight eye irritation.

**Indication of immediate medical attention and special treatment, if necessary:** No medical attention is normally required.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Use water spray, carbon dioxide, dry chemical or foam to extinguish a fire.

**Specific hazards arising from the chemical:** Flammable solid. Product catches fire easily and burns very rapidly. Self-heating in large quantities. Product can generate heat internally over time, rising the temperature to the ignition point causing fire and ignition of other materials.

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear appropriate protective clothing as described in Section 8. Caution: spill may present a slip hazard. Remove all ignition sources and clean up spills immediately.

**Environmental Precautions:** Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

**Methods and materials for containment and cleaning up:** Collect in a manner that minimizes the generation of dust. Use only non-sparking tools. Place in appropriate container for disposal. Clean spill area thoroughly.

#### 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid contact with eyes. Use only with adequate ventilation. Keep product away from heat, direct sunlight, sparks and flames until ready to use. For bulk handling, bond and ground handling equipment and use explosion-proof electrical equipment.

**Conditions for safe storage, including any incompatibilities:** Store in a cool, dry, well-ventilated area away from heat and direct sunlight. Maintain an air gap between stacks and pallets to allow heat to dissipate. Store away from other materials. Do not store near oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure guidelines:

Paraffin Wax	2 mg/m <sup>3</sup> TWA ACGIH TLV (as fume)
Wood	1 mg/m <sup>3</sup> (inhalable) TWA ACGIH TLV (as wood dust)

**Appropriate engineering controls:** For normal use, good general ventilation is adequate. For bulk handling: use with adequate general or local exhaust ventilation to keep exposures below occupational exposure limits and to minimize exposure levels. Use explosion proof equipment where required.

### Individual protection measures:

**Respiratory protection:** None needed under normal use conditions. If exposure limits are exceeded, a NIOSH approved respirator with dust/mist/organic vapor cartridges or supplied air respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

**Skin protection:** Not normally required.

**Eye protection:** Safety glasses recommended for bulk handling and spill clean-up.

**Other:** None normally required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (physical state, color, etc.):** White solid

**Odor:** Paraffin

<b>Odor threshold:</b> Not available	<b>pH:</b> Not applicable
<b>Melting point/freezing point:</b> Not available	<b>Boiling Point:</b> Not applicable
<b>Flash point:</b> Not applicable	<b>Evaporation rate:</b> Not applicable
<b>Flammability (solid, gas):</b> Flammable solid, self-heating	<b>VOC:</b> Not applicable
<b>Flammable limits: LEL:</b> Not applicable	<b>UEL:</b> Not applicable
<b>Vapor pressure:</b> Not applicable	<b>Vapor density:</b> Not applicable
<b>Relative density:</b> 0.95	<b>Solubility(ies):</b> Not soluble in water
<b>Partition coefficient: n-octanol/water:</b> Not available	<b>Auto-ignition temperature:</b> Not determined
<b>Decomposition temperature:</b> Not available	<b>Viscosity:</b> Not applicable
<b>UN Burning Rate Test:</b> >2.2 mm/sec, flame passed the wetted zone	<b>UN Self-Heating Test:</b> Positive in 100mm cube at 140°C; Negative in 100mm cube at 120°C.

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions of use.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** Self-heating in large quantities.

**Conditions to avoid:** Avoid heat, sparks, flames, direct sunlight and all other sources of ignition.

**Incompatible materials:** Avoid oxidizing agents and all other reactive chemicals.

**Hazardous decomposition products:** Thermal decomposition may yield carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects of exposure:**

**Inhalation:** Inhalation of paraffin fumes or vapors may cause slight irritation of the mucous membranes and upper respiratory tract.

**Ingestion:** No adverse effects are expected. Not intended for ingestion.

**Skin contact:** May cause slight irritation or dryness of the skin.

**Eye contact:** May cause slight irritation.

**Chronic Effects:** None known.

**Sensitization:** Components are not known to be sensitizers.

**Germ Cell Mutagenicity:** None of the components have been shown to cause germ cell mutagenicity.

**Reproductive Toxicity:** None of the components have been shown to cause reproductive or developmental toxicity.

**Carcinogenicity:** None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA.

**Acute Toxicity Values:**

Paraffin Wax: Oral rat LD50 >5000 mg/kg; Dermal rabbit LD50 >3600 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity values:** No data available

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** None known.

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with all local, state and federal regulations.

**14. TRANSPORT INFORMATION**

The following applies when transported in a package with a volume of <3 m3

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
<b>DOT</b>	UN1325	Flammable solid, organic, n.o.s. (paraffin, wood)	4.1	II	No
<b>TDG</b>	UN1325	Flammable solid, organic, n.o.s. (paraffin, wood)	4.1	II	No
<b>IMDG</b>	UN1325	Flammable solid, organic, n.o.s. (paraffin, wood)	4.1	II	No
<b>IATA</b>	UN1325	Flammable solid, organic, n.o.s. (paraffin, wood)	4.1	II	No

Larger packages must be transported as UN3088, Self-heating solid, organic, n.o.s. (paraffin, wood), 4.2, PG II

Packages with less than 1 kg (2.2 lbs) may be shipped ground in the US and Canada and by vessel internationally as a Limited Quantity.

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** Do not load in the same vehicle or packed in the same freight container with oxidizers. Keep away from ignition source and high-temperatures. Keep well ventilated

## 15. REGULATORY INFORMATION

### **Safety, health, and environmental regulations specific for the product in question.**

**CERCLA:** This product is not subject to reporting under CERCLA. Many states have more stringent release reporting requirements. Oil spills must be reported to the National Response Center. Report spills required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Fire Hazard

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:  
None

**EPA TSCA Inventory:** All of the components of this product are listed on the TSCA inventory or exempt.

**California Proposition 65: Warning:** This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

### **CANADA:**

**Canadian CEPA:** All the components of this product are listed on the Canadian DSL or exempt.

**Canadian WHMIS Classification:** Class B4 (Flammable Solids)

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

## 16. OTHER INFORMATION

**NFPA Rating:** Health = 0      Flammability = 3      Instability = 0  
**HMIS Rating:** Health = 0      Flammability = 3      Physical Hazard = 0

**SDS Revision History:** Update to US OSHA Hazcom 2012

**Date of preparation:** August 27, 2014

**Date of last revision:** August 16, 2011