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Prepared by: CS&CM

Material Safety Data Sheet

Section I

Product Name: Strike-A-Fire Firestarter
USA - DOT Information: MATCHES, SAFETY, UN 1944
Manufactures Name: Alltrista Consumer Products Company, 1800 Cloquet Ave., Cloquet, MN 55720
Telephone Number: (218) 879-6700
Chemtrec Emergency No: (800) 424-9300

Material Identification

Section II

Hazardous Ingredients

Match

% By Weight

PEL

Potassium Chlorate

<1.0%

NE

Sulfur

<1.0%

NE

Slack Wax

50.0% - 75.0%

NE

Striker Strip

Amorphous Red Phosphorous

<1.0%

NE

NE = None Established
TWA = Time Weighted Average
CEIL = Ceiling Limit

PEL = Permissible Exposure Limits
PPM = Parts per Million
STEL = Short Term Exposure Limit

Section III

Physical Data

Boiling Point: NA
Freezing Point: NA
Vapor Pressure (mm Hg): NA
Vapor Density (Air=1): NA

Specific Gravity: NA
% Volatile by Volume: NA
Evaporation Rate: NA
Solubility in Water: NA

Section IV

Fire and Explosion Hazard Data

Flash Point: NA
Auto Ignition Temperature: > 250°F
Extinguishing Media: Foam
Unusual Fire and Explosion: Combustible, may ignite from excessive heat, crushing, or dropping. Smoke from fire may be irritating to lungs and eyes. Contains oxidizers, which may increase the burning rate of combustible materials with flare-burning effect.
Combustion byproducts: Match: Carbon monoxide, carbon dioxide, oxides of sulfur, soot
Striker: Phosphine, oxides of phosphorous, phosphoric acid (in presence of water)

Section V

Health Hazard Data

General: HMIS Rating:

Health = 1
Flammability = 3
Reactivity = 2

NFPA Rating:

Health = 1
Flammability = 3
Reactivity = 2
OX (oxidizer)

Normal use of this product produces fumes (smoke) which may irritate eyes and/or lungs.

Signs and Symptoms of Over Exposure:

Eyes - tearing, stinging, redness

Inhalation - coughing, soreness in respiratory tract, chest tightness, difficulty breathing

Conditions Generally Recognized as Being Aggravated by Exposure:

Fumes from ignition could aggravate respiratory ailments.

Synergistic Effects:

None known.

Usual Method(s) of Contact:

Inhalation of fumes from ignited material, thermal burns from ignited material

Primary Route(s) of Entry into the Body:

Inhalation of fumes from ignited material.

Section VI**First Aid**

Burns: Treat all thermal burns with appropriate first aid measures for degree of burn.

Respiratory Distress: Remove to fresh air and seek medical attention for smoke inhalation.

Eyes: Flush with fresh water for 15 minutes and seek medical attention.

Section VII**Reactivity Data**

Stability: Stable X

Unstable

Conditions to Avoid:

Do not store with readily oxidizable substances, phosphorous, acids, bases, finely divided metals, or organic materials.

Incompatibility:

Avoid mixing with oxidizing agents, phosphorous, acids, bases, finely divided metals, or organic materials.

Hazardous Decomposition or Byproducts:

Match: Oxides of carbon, oxides of sulfur, soot

Striker: Oxides of phosphorous

Hazardous Polymerization:

None known.

Section VIII**Spill or Leak Procedures****Steps to be taken if material is released or spilled:**

If shipping cases are open, be prepared to wet down with water if crushing or dropping are possible during cleanup.

If shipping cases are intact and closed, they are designed to smother unintended ignition.

Waste Disposal Methods:

Incinerate or bury in landfill according to applicable Federal, State, and Local regulations.

Section IX**Special Protection Information****Precautions to be Taken in Handling and Storing:**

Store in a cool, dry location, away from heat, open flames or sparks, or flammable materials.

Other Precautions:

Do not crush or drop. KEEP AWAY FROM CHILDREN.

Other Safety Information:

Shipping cases are specially designed to be self-extinguishing, and should smother any unintended ignition, provided the cases are intact and closed.

Section X**Shipping Information****Shipping Description**

(as per United States DOT Regulations 49 CFR and subparts 173.186.)

MATCHES, SAFETY, 4.1, UN 1944, PGIII

Hazardous Material Class

4.1 Flammable Solid

Northern American Emergency Response Guidebook 2000:

Guide 133 for First Responders During the Initial Phase of a Dangerous Goods/Hazardous Materials Incident.

NOTE: According to 49 CFR 173.186 (c) Safety matches and wax "Vesta" matches must be tightly packed in securely closed inner packagings to prevent accidental ignition under conditions normally incident to transportation, and further packed in outer fiberboard, wooden, or other equivalent outer packagings. These matches in outer packagings not exceeding 23 kg (50 pounds) gross weight are not subject to any other requirement (except marking) of this subchapter. These matches may be packed in the same outer packaging with materials not subject to this subchapter.

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