The Hind Matches Private Limited
POST BOX No.38, SIVAKASI 626 123, TAMIL NADU
TELEPHONE: 04562 274232
FAX: 04562 272378

SAFETY DATA SHEET – SWEETFIRE TINDER MATCHES

1. Product and Supplier Identification

1.1 Product: UCO Sweetfire Tinder Matches
1.2 Other Means of Identification: None
1.3 Product Use: Long Burning Waterproof matches
1.4 Restrictions on Use: None known
1.5 Producer: The Hind Matches Pvt. Ltd.,
Poothaiammal Building
5-2-15c, Sattur Road
Sivakasi, Tamil Nadu 626123
India
Telephone: 04562 274232
Facsimile: 04562 272378
Email: stdmatch@hotmail.com

1.6 Emergencies: +1(800) 824-9300 (CHEMTREC, Transportation and spills)

2. Hazards Identification

GHS Classification: Flammable Solid, Category 2
Oxidizing Solid, Category 3

Signal Word: Warning

Hazard Statement: **H228: Flammable solid**
H272: May intensify fire; oxidizer

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Pictogram:

Precautionary Statements – Prevention
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautionary Statements – Response
In case of fire: Use CO2 or water spray for extinction.

Precautionary Statements – Storage
Store in a cool, dry place.

Precautionary Statements - Disposal
None.

Hazards not otherwise classified (HNOC)
When striking matches, danger of skin burns may occur.
Smoke from fire may be irritating to lungs and eyes.

Unknown Toxicity
None known.

Interactions with Other Chemicals
No information available.

Other Information

GHS Label elements, including precautionary statements for consumer products: NONE

OSHA 29 CFR 1910.1200 (b)(5) This section does not require labeling of the following chemicals: (b)(5)(v) Any consumer product or hazardous substance as those terms are defined in the Consumer Product Safety

Act (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, when subject to a consumer product safety standard or labeling requirement of those Acts, or regulations issued under those Acts by the Consumer Product Safety Commission;,

The Federal Hazardous Substances Act is implemented per CPSC 16 CFR 1500. And 16 CFR 1500.83 *Exemptions for small packages, minor hazards, and special circumstances.* 16 CFR 1500.83(a)(2) Common matches, including book matches, wooden matches, and so-called "safety" matches are exempt from labeling requirements of section 2(p)(1) of the act (repeated in §1500.3(b)(14)(i)) insofar as they apply to the product being considered hazardous because of being an "extremely flammable solid" or "flammable solid" as defined in §1500.3(c)(6)(v) and (vi).

Safety matches are regulated as a consumer product by the Consumer Products Safety Commission, 16 CFR 1202, *Safety Standard for Matchbooks*. This standard requires the following labeling and marking:

16 CFR § 1202.6 Marking. (a) The manufacturer's or private labeler's name and city or a symbol which will identify the name and city shall appear on the matchbook. In addition, every private labeler must label the matchbook with a code which enables it to identify, if requested, the manufacturer of the product. (b) Boxes or cartons in which two or more caddies are shipped shall be marked ''For safety, store in a cool, dry place.''

Safety matches are a consumer product and regulated by the U.S. Consumer Products Safety Commission. Labeling/marking requirements are outlined in 16 CFR 1202, *Safety Standard for Matches*.

Safety matches are shipped under DOT regulations, 49 CFR 173.186(c) and are marked per that regulation.

3. Composition

Component	CAS No.	EINECS No.	%(w/w)
Potassium Chlorate	3811-04-9	223-289-7	90
Red Phosphorus	7723-14-0	231-768-7	10

4. First Aid Measures

4.1 Description of First Aid Measures
General advice: If ingested, immediately call a POISON CONTROL CENTER, doctor or nearest hospital for treatment advice. For burns, wash hands with cold water and seek medical advice.

In case of eye contact: Immediately flush eyes with plenty of water. If irritation occurs or persists, flush eyes with plenty of fresh water, holding eyelids open. Remove contact lenses if easy to do. Call a physician if an irritation persists.

In case of skin contact: Wash hands immediately with soap and water after handling. Do not eat, drink or smoke until hands are thoroughly washed. If irritation occurs or persists, seek medical advice.

If inhalation: Inhalation is a route of entry. Move victim to fresh air. If breathing is labored, give artificial respiration. Seek medical attention if breathing is difficult or discomfort occurs.

If ingestion: This product is orally toxic if ingested. If ingested immediately call a POISON CONTROL CENTER, doctor or nearest hospital for treatment advice. Provided that patient is conscious, rinse mouth with water. Do NOT give anything to an unconscious person. Do not induce vomiting unless instructed to do so by a physician or the poison control center. If spontaneous vomiting occurs, have victim lean forward with head between knees to avoid aspirating vomitus, rinse mouth and give 2 – 4 cups water, if conscious.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Product is flammable. When ignited, blow out and immerse in water if safe to do without burning the skin. Cover with sand and then wet the sand. For larger quantities, use water or water spray or carbon dioxide.

5.2 Special hazards arising from mixture: None

Advice for firefighters: In any fire situation, firefighters should wear full protective clothing including self-contained breathing apparatus. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

5.3 Further Information:
Sensitivity to Impact: Yes
Sensitivity to Static Discharge: Yes

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS) HAZARD INDEX:
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
PERSONAL PROTECTION: None

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
The likelihood of match head composition being released into the environment is low. If significant quantities of matches are released by breakage or spillage then remove all potential sources of ignition, salvage any undamaged product and wet down the remaining product before cleaning up.

6.2 Environmental precautions
This product may cause damage to the aquatic environment. Ensure that spilled material does not enter sewers or natural waterways.

6.3 Methods and materials for containment and cleanup

Large Spills: Shovel spilled product into adequate compatible containers. Properly close all containers for salvage or disposal.

Small Spills: Scoop or sweep up spilled contents and place in appropriate containers for salvage or disposal.

6.4 Reference to other sections
For disposal, see Section 13.

7. Handling and Storage

7.1 Precautions for safe handling

In storage, matches give off no toxic fumes or flammable gases. Matches do not spontaneously catch fire although fires can occur if the product is mishandled. Handling and storage requirements are such as to minimize sources of ignition, and other highly flammable materials.

Do not drag cartons on floor; lift and move. Do not drop cartons, place gently. Do not stack more than 5 cartons high.

7.2 Conditions for safe storage, including incompatibilities
Keep out of reach of children and animals. Store in a cool, dry location, away from heat, open flames or sparks, or flammable materials.

In bulk storage areas, post "NO SMOKING" signs. Have appropriate fire extinguishers located in an accessible place near storage area. Prevent static discharges and use proper grounding procedures.

Incompatible Products None known based on available information

8. Exposure Controls, Personal Protection

8.1 Control parameters

Exposure Guidelines No special measures are required when handling matches.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Solid, red match head, thick brown wood stick
Odor	None
Odor Threshold	Not applicable
pH	<4.7
Melting Point/Freezing Point	Not determined

Initial Boiling Point	Not determined
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability	Flammable
Upper Explosion Limit	Not available
Lower Explosion Limit	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Relative Density	1.3 gm/cc (water = 1)
Solubility	Insoluble in water or alcohols
Partition Coefficient	Not available
Autoignition Temperature	≥170°C
Decomposition Temperature	Not available
Viscosity	Not available
Explosive Properties	Not available
Oxidizing Properties	Not available
Percent Volatiles	Not available

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
May be reactive under conditions of heat.

10.2 Chemical Stability
Stable under recommended storage conditions. Storage should be in a dry, cool, well-ventilated area away from incompatible materials, sources of ignition and heat.

10.3 Possibility of hazardous reactions
No known hazardous reactions.

10.4 Conditions to avoid
Heat, sparks, flames, sources of ignition which may cause matches to light.

10.5 Incompatible materials

Strong oxidizing agents, strong acids and alkalis.

10.6 Hazardous decomposition products
Oxides of sulphur and carbon as well as unknown irritation gases may be generated by thermal decomposition or combustion.

11. Toxicological Information

11.1 Information on toxicological effects
Product Information
Product does not present an acute toxicity hazard based on known or supplied information

Inhalation
Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation. (based on components).

Eye Contact
Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye irritation.

Skin Contact
Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to skin. Prolonged contact may cause redness and irritation.

Ingestion
Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed. (based on components).

Delayed & immediate effects as well as chronic effects from short & long-term exposure
Germ Cell Mutagenicity
No GHS classification

Carcinogenicity
Contains no ingredient listed as a carcinogen

Reproductive toxicity

No GHS classification

Specific Target Organ Toxicity – Single exposure
No GHS classification

Specific Target Organ Toxicity – Repeated exposure
No GHS classification

Aspiration Hazard
No GHS classification

Aquatic Toxicity
No GHS classification

12. Ecological Information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods
Product:

Should not be released into the environment. Dispose of product according to all applicable local, state, and federal regulations. Offer to a licensed disposal company, properly contained and labelled.

Contaminated Packaging:
As above

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): UN 1944, Matches, Safety, Class 4.1, PG III

United States Department of Transport (49CFR): UN 1944, Matches, Safety, Class 4.1, PG III
See Packaging exception 49 CFR 173.186(c).

International Air Transport Association (IATA): UN 1944, Matches, Safety, Class 4.1, PG III

International Maritime Organization (IMO): UN 1944, Matches, Safety, Class 4.1, PG III
EmS No F-A, S-I, Stowage Category A

15. Regulatory Information

CERCLA Hazardous Substance List (40 CFR 302.4) Not regulated

SARA 302 Extremely hazardous substance: Red Phosphorus CAS No 7723-14-0

SARA 311/312 Hazardous chemical: Acute Health Hazard, Chronic Health Hazard

SARA 313 (TRI reporting): SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Other State Regulations:
Massachusetts Right to Know Components:
Red Phosphorus, CAS No 7723-14-0
Potassium Chlorate, CAS No 3811-04-9

Pennsylvania Right to Know Components:
Red Phosphorus, CAS No 7723-14-0
Potassium Chlorate, CAS No 3811-04-9

New Jersey Right to Know Components:
Red Phosphorus, CAS No 7723-14-0
Potassium Chlorate, CAS No 3811-04-9

California Prop 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm. This product is marked with a Prop 65 warning for soot created when matches are burned.

OTHER:
None

16. Other Information

Preparation Date: October 25, 2024
Prepared by: The Hind Matches Pvt. Ltd.

Disclaimer: The information contained herein is based on the present state of our knowledge. It is believed to be reliable but no representation, guarantee of any kind are made and shall not establish a legally valid.