

SAFETY DATA SHEET — Under GHS

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier HURRICANE MATCHES:	Other means of identification Wind Proof matches, Matches, Safety, UN1944	[WHMIS Classification] Article
Product Use Used in place of regular matches during storm, and in survivor Kit		
Manufacturer's Name The Hind Matches Pvt.Ltd		Supplier's Name
Street Address 409/8, Thattumettu Street, Sivakasi - 626 189.		Street Address
City SIVAKASI		City
Postal Code 626189	Emergency Telephone	Postal Code
Date MSDS Prepared 14-10-2022	MSDS Prepared By The Hind Matches Pvt.Ltd	Phone Number

SECTION 2 — HAZARDS IDENTIFICATION

Route of Entry	<input type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Eye Contact	<input type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion					
[Emergency Overview] During normal use, matches are not hazardous										
[WHMIS Symbols]	 GHS02									
Potential Health Effects Mishandling may cause burns and uncontrolled fire.										

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (specific)	%	CAS Number	LD ₅₀ of Ingredient (specify species and route)	LC ₅₀ of Ingredient(specify species)
Potassium Chlorate	<60%	3811-04-9	1870mg/kg (oral/rat)	75.1mg / l (Inha, rat/ 4hr)
Iron Oxide	< 8 %	1309-37-1	>5000mg/kg (oral/rat)	Not Listed
Red Phosphorus (in striker)	<70%	7723-14-0		
Red Phosphorus (in head)	< 1%	7723-14-0	15000mg/kg (oral/rat)	Not Listed

SECTION 4 — FIRST AID MEASURES

Skin Contact Burns should be treated as normal burn. Immerse the injured part in to pure cold running water for 15 minutes and seek medical attention.

Eye Contact : The Wood stick may cause injury when rubbed on eyes. Seek medical attention

Inhalation NA

Ingestion During the intended use there is no chance for ingestion. If large quantity is ingested purposely there may be risk to health and so seek medical attention.

Product Identifier-2-

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, under which conditions? May catch fire at temperature above 180°C and also on contact with strong Acids.	
Means of Extinction Water spray set		
Flashpoint (° C) and Method NA	Upper Flammable Limit (% by volume) NA	Lower Flammable Limit (% by volume) NA
Autoignition Temperature (°C) Above 180°C	Explosion Data — Sensitivity to Impact Very severe impact may cause fire	Explosion Data — Sensitivity to Static Discharge No known data
Hazardous Combustion Products Match fire releases much smoke and gases like, Carbondioxide and Carbon monoxide.		
[NFPA]		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Collect the spilled match sticks and outer boxes in separate container pick the undamaged sticks one by one and put in to new pouch.
Wet the damaged sticks with water and clean up the place

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment Do not drag carton boxes on floor-lift it and move
Do not throw it down but gently place it down
Do not smoke while handling the cargo
No special handling equipment is necessary
Storage Requirements Keep cartons on pallets inside a properly ventilated room
Keep away from sources of ignition. Avoid strong acids near the stock
Keep maximum 5 carton boxes one over the other
Keep away from heat, direct sunlight and moisture

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process)			
No special measures necessary			
Personal Protective Equipment	<input type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Respirator	<input type="checkbox"/> Eye
If checked, please specify type			
In case of large fire self-contained breathing apparatus and protective clothing shall be used.			
If the fire is out of control evacuate the place and let it burnout			

Product Identifier-3-

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Stick with combustible chemicals	Odour and Appearance Faint woody smell	Odour Threshold (ppm) Not determined
Specific Gravity Not determined	Vapour Density (air = 1) Not applicable	Vapour Pressure (mmHg) Not applicable
Evaporation Rate Not applicable	Boiling Point (° C) Not applicable	Freezing Point (° C) Not applicable
pH Not applicable	Coefficient of Water/Oil Distribution Not applicable	[Solubility in Water] Partly soluble

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong Acids

Reactivity, and under what conditions? Not self reactive and stable at normal condition. Will catch fire when temperature exceeds 180°C

Hazardous Decomposition Products No Self-decomposition

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure By appropriate use of the product no health damage is known

Effects of chronic exposure By appropriate use of the product no health damage is known

Irritancy of Product

Skin sensitization	Respiratory sensitization
Carcinogenicity-IARC	Carcinogenicity - ACGIH
Reproductive toxicity	Teratogenicity
Embotoxicity	Mutagenicity

Name of synergistic products/effects

SECTION 12 — ECOLOGICAL INFORMATION

Product Identifier-4-

[Aquatic Toxicity]

Not known

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal

Only used materials may be disposed as domestic waste

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information: IMDG Code Page : 4155.UN No : 1944, Class 4-1, packaging group III labeling 4.1 Flammable solid,
Proper Shipping name : Safety matches

PIN

TDG UN No : 1944, Matches, Safety, Class 4.1 PG III	[DOT] UN No : UN 1944 Proper Shipping name : Matches, safety Hazard Class : 4.1 Packing Group : III Description : UN 1944, Matches, safety, 4.1, III Emergency response } guide Number } : 133
[IMO] UN No : 1944, Matches, Safety, Class 4.1 PG III EMS No : F-A, S-1 Stowage category A	[ICAO] UN No : 1944, Matches, Safety, Class 4.1 PG III

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] Articles	[OSHA]
[SERA]	[TSCA] Match is Classified as manufactured article - No certificate needed

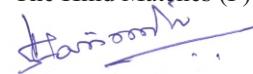
SECTION 16 — OTHER INFORMATION

Due to this form this product does not represent a danger to human health.

The information contained herein is based on the present state of our knowledge and experience.

It is believed to be reliable but no representation, guarantee of any kind are made and shall not establish a legally valid.

For The Hind Matches (P) Ltd.,


Lab Incharge