



## MATERIAL SAFETY DATA SHEET: UCO Stormproof Matches

### SECTION 1: PRODUCT INFORMATION

#### Importer/Distributor:

Industrial Revolution, Inc.  
 9225 151st Ave NE  
 Redmond, WA 98052  
 Tel: 425-883-6600  
 Fax: 425-883-0036  
 Email: [Sales@industrialrev.com](mailto:Sales@industrialrev.com)  
 Emergency Contact: 206-913-9266

#### Manufacturer:

The Hind Matches Pvt. Ltd  
 5-2-15c, Sattur Road  
 Sivakasi -626123  
 Tamil Nadu, India  
 Tel: 00 91 4562 276173  
 Fax: 00 91 4562 272378

Product Name:	Storm Proof Matches
UN No.:	1944
Trade form:	Sticks
Hazard:	Wind and water resistant fire
Family:	Flammable solid
Part Numbers & UPCs:	
MT-SM-POP	054269000202
MT-SM1-UCO	054269000189
MT-SM2-UCO	054269000172
MT-SM-BULK	054269000196



### SECTION 2: HAZARDS IDENTIFICATION

Color: Orange, with brown head on wooden stick  
 Odor: Slight odor  
 Melting Point: N/A, catches Fire at about 180° C, 356° F  
 Other: Solid, 2.75" long stick, insoluble in water.



### FIRE AND EXPLOSION HAZARD

a) Ignition	Safety match, not strike-anywhere variety
b) Explosion	Not explosive
c) Firing	Catches fire only when comes into contact with Phosphorous or strong acids
d) Extinguishing	No effective agent or method
e) Special fire fighting instructions	Move containers from fire only if you can do it without risk. If fire is advanced, evacuate and let it burn off
f) Static discharge sensitivity	No data available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Match:

- a) Potassium Chlorate
- b) Lead Oxide
- c) Sulphur
- d) Potassium Bichromate

Striker:

- a) Phosphorus

### SECTION 4: FIRST-AID MEASURES

#### HEALTH HAZARD DATA

a) Exposure limits TLV	NA
b) Ingestion	If swallowed will cause nausea, vomiting, and poisoning
c) Type Toxic	Oxidiser
d) Skin contact	NA
e) Eye Contact	NA
f) Inhalation	When ignited, smoke may affect mucous membranes
g) In case of Ingestion	Call Emergency medical team
a) If victim is conscious, have victim drink water or milk and induce vomiting.	
b) If victim is unconscious do nothing except keep the victim warm.	

### SECTION 5: FIRE-FIGHTING MEASURES

- a) No method of extinguishing is effective. Wait for match to be completely burnt out.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

- a) Pick the spilled matches up one by one and put into carton box.
- b) Avoid entering spill area wearing shoes with metallic soles.
- c) Dispose of waste by burning in a yard under supervision.
- d) Do not drag the container containing the matches across the floor, always lift and carry in a disposal cart with rubber wheel.

### SECTION 7: HANDLING AND STORAGE

- a) Always keep the sticks inside the container provided.
- b) Store the product away from all sources of heat and flammable materials.
- c) Avoid contact with acids and Phosphorus.
- d) Do not throw lit match as it will not be extinguished until completely burnt out.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- a) Exposure is not a risk. Do not ingest.
- b) No gloves, goggles, mask required in normal use.
- c) When striking, strike away from body.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Solid, 2.75" long stick. Brown and orange colors on wooden stick. Insoluble in water. Slight odor. Flammable.

**SECTION 10: STABILITY AND REACTIVITY**

a) Stability	Very stable
b) Cause of Instability	Flammability
c) Instability Hazard	Constitutes potential fire hazard when comes into contact with Phosphorus
d) Decomposition	With strong acid the chlorate present decomposes and may cause fire

**SECTION 11: TOXICOLOGICAL INFORMATION**

This product is not expected to cause acute or chronic toxicity or skin/eye irritation.

**SECTION 12: ECOLOGICAL INFORMATION**

This product is not expected to cause toxicity to the environment. Components of this material are not bio-magnified or bio-concentrated in the environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

a) Thoroughly wet and mulch product before disposal to landfill.

**SECTION 14: TRANSPORT INFORMATION**

IMO/IMDG-CLASS	4.1
UN NO.	1944
IMDG CODE	4155

**SECTION 15: REGULATORY INFORMATION**

N/A

**SECTION 16: OTHER INFORMATION**

N/A

DATE PREPARED: 9/09/2009