

SAFETY DATA SHEET

REDHEAD SAFETY MATCHES

Infosafe No.: LPVI4
ISSUED Date: 24/09/2015
ISSUED BY SCANDINAVIAN
TOBACCO GROUP AUSTRALIA PTY
LTD

1. IDENTIFICATION

GHS Product Identifier

REDHEAD SAFETY MATCHES

Company Name

SCANDINAVIAN TOBACCO GROUP AUSTRALIA PTY LTD

Address

(PO Box 380 Ferntree Gully VIC 3156)
Level 1, 35 Dalmore Drive, Caribbean Park Scoresby
VIC 3179 Australia

Telephone/Fax Number

Tel: 1800 335 691

Emergency phone number

1800 335 691

Recommended use of the chemical and restrictions on use

As an ignition source e.g.: lighting fires.

Other Names

Name	Product Code
SAFETY MATCHES	
BEEHIVE SAFETY MATCHES	
LIGHTHOUSE SAFETY MATCHES	
PHOENIX SAFETY MATCHES	

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Classification:

Flammable Solids: Category 2

Signal Word (s)

WARNING

Hazard Statement (s)

H228 Flammable solid.

Pictogram (s)

Flame

**Precautionary statement – Prevention**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

P370+P378 In case of fire: Use carbon dioxide, dry chemical, foam, water mist or water spray for extinction.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition, information on ingredients

Composition & Ingredients: Wood and a Chemical compound.

Stick: Aspen or poplar stick impregnated with ammonium phosphate and paraffin wax.

Head: A mixture of potassium chlorate with animal glue (technical gelatine) together with inert materials to moderate combustion, and minor amounts of red amorphous phosphorus and colorants.

Box: The side panels are coated with a special composition containing amorphous phosphorus.

4. FIRST-AID MEASURES

Inhalation

Not an inhalation hazard.

Ingestion

Unless large quantities of matches are ingested (>10 matches/kilogram of body weight) there is little risk to health following ingestion.

Skin

No first aid measures required if matches are not lit. However if burns occur due to lit match, treat as normal burns. Do not break blisters or attempt to remove loose skin or apply lotion. Cool with cold water, wrap loosely with non fluffy sterile bandage or cloth and immediately seek trained medical attention.

Eye contact

Not an eye hazard.

First Aid Facilities

Eyewash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide, dry chemical, foam, water mist or water spray.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes including oxides of carbon and acidic gases such as phosphorus oxides.

Specific Hazards Arising From The Chemical

Flammable solid. May ignite by friction, heat, sparks or flame. May emit toxic fumes under fire conditions.

Hazchem Code

1Z

Decomposition Temperature

Not available

Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Remove all sources of heat. Sweep up material and then transfer to a suitable container. If large quantities of this material enter the waterways inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Use smallest possible amounts in designated areas with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labelled containers. Keep containers tightly closed. Store away from water and incompatible materials. They should not be stacked more than 4.5 meters above ground. Have appropriate fire extinguishers available in and near the storage area.

It should be noted that any ignition of matches in intact closed boxes, displays and cases invariably self extinguishes because there is insufficient oxygen in the closed packaging only when the case or package bursts open is there any danger of sustained combustion taking place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

Biological Limit Values

No biological limit allocated.

Appropriate Engineering Controls

Use with good general ventilation.

Respiratory Protection

Not required.

Eye Protection

Not required.

Hand Protection

Not required.

Body Protection

Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description

Properties	Description	Properties	Description
Appearance	Boxes <25kg containing wooden stick carrying an ignition tip.	Odour	Low, woody smell
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	Not available	Solubility in Water	Approximately 10mg of each match is soluble.
Specific Gravity	1.3	pH	Not applicable
Vapour Pressure	0 kPa (38°C)	Vapour Density (Air=1)	Not applicable
Evaporation Rate	Not applicable	Odour Threshold	Not available
Viscosity	Not applicable	Partition Coefficient: n-octanol/water	Not applicable
Density	Not applicable	Flash Point	Not available
Flammability	Flammable solid	Auto-Ignition Temperature	180°C
Explosion Limit - Upper	Not available	Explosion Limit - Lower	Not available
Explosion Properties	Not available	Oxidising Properties	Not available

10. STABILITY AND REACTIVITY

Reactivity

React with compatible materials.

Chemical Stability

Stable under normal conditions of storage and handling.

Conditions to Avoid

Extremes of temperature, moisture and direct sunlight.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including: carbon dioxide and carbon monoxide.

Possibility of hazardous reactions

Reacts with incompatible materials

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Toxicity data for material given below.

Acute Toxicity - Oral

Potassium chlorate (each match head contains ~10 mg potassium chlorate):

LDLo/humans: 429 mg/kg body weight.

Red amorphous phosphorus:

LD50/oral/rat: 15000 mg/kg body weight

Ingestion

There is little risk to health following ingestion. Ingestion large quantities of matches (>10 matches/kilogram of body weight) may irritate the gastric tract causing nausea and vomiting.

Inhalation

Not an inhalation hazard.

Skin

May cause burns to skin if lit matches are mishandled.

Eye

Not an eye hazard.

Respiratory sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

Not expected to be a skin sensitiser.

Germ cell mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Not considered to be a carcinogenic hazard.

Reproductive Toxicity

Not considered to be toxic to reproduction.

STOT-single exposure

Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Safety matches contain no toxic heavy metals and they do not emit sulphur dioxide when burned. They have very little impact on the environment being made from mostly natural raw materials. Potassium chlorate is a herbicide but on combustion this is converted into the ecologically harmless compound potassium chloride.

Persistence and degradability

Used matches and boxes biodegrade rapidly in the environment.

Mobility

Not available

Bioaccumulative Potential

Not available

Other Adverse Effects

Not available

Environmental Protection

Do not discharge this material into waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Dispose of waste according to applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information

This material is classified as a Class 4.1 (Flammable Solid) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1: Explosives
- Division 2.1: Flammable Gases
- Division 4.2: Spontaneously combustible substances

- Division 5.1: Oxidising substances
- Division 5.2: Organic peroxides
- Class 7: Radioactive materials unless specifically exempted

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No.: 1944

Proper Shipping Name: MATCHES, SAFETY (book, card or strike on box)

Class: 4.1

Packaging Group: III

EMS No.: F-A, S-I

Special Provision: 293, 294

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No.: 1944

Proper Shipping Name: MATCHES, SAFETY (book, card or strike on box)

Class: 4.1

Packaging Group: III

Label: Flammable solid

Packaging Instructions (passenger & cargo): 455

Packaging Instructions (cargo only): 455

Special Provisions: A125

U.N. Number

1944

UN proper shipping name

MATCHES, SAFETY

Transport hazard class(es)

4.1

Packing Group

III

Hazchem Code

1Z

Special Precautions for User

Not available

EPG Number

4A1

IERG Number

20

IMDG Marine pollutant

No

Transport in Bulk

Not available

15. REGULATORY INFORMATION

Regulatory information

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Poisons Schedule

Not Scheduled

16. OTHER INFORMATION

Date of preparation or last revision of SDS

SDS Reviewed: September 2015

Supersedes: July 2013

References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

Contact Person/Point

Mail address: PO Box 380 Ferntree Gully VIC 3156

END OF SDS

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