SAFETY DATA SHEET

AURORA LITES

REDHEADS FIRESTARTER MATCH

Infosafe No.: LQB4V
ISSUED Date : 25/05/2022
ISSUED by: AURORA LITES PTY LTD

Section 1 - Identification

Product Identifier
REDHEADS FIRESTARTER MATCH

Company Name
AURORA LITES PTY LTD (ABN 66 649 845 787)

Address
20 Gwynne Street Cremorne
VIC 3121 Australia

Telephone/Fax Number
Tel: +61 1800 577 280

Emergency Phone Number
Poisons Information Centre (131 126) (24 hours)

E-mail Address
hello@auroralites.com.au

Recommended use of the chemical and restrictions on use
Product used for the ignition of solid fuels in domestic appliances.

Other Names

Name	Product Code
10	25857
20	22435

Illicit Drug Precursors
This product contains a Category I: Illicit Drug Precursor/Reagent in the Code of Practice for Supply Diversion into Illicit Drug Manufacture.

Chemical of Security Concern
This product contains chemical listed in the National Code of Practice for Chemicals of Security Concern.

Other Information
The company for all the Redheads products is Aurora Lites Pty Ltd And The company for all the Beehive products is Aurora Lites Limited.
Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, Aurora Lites Pty Ltd and Aurora Lites Limited make no representations as to the completeness or accuracy thereof. Information is supplied on the conditions that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Aurora Lites Pty Ltd and Aurora Lites Limited or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

Section 2 - Hazard(s) 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)
Flammable solids: Category 2
Skin corrosion/irritation: Category 2
Eye damage/irritation: Category 1
Hazardous to the Aquatic Environment - Acute Hazard: Category 3
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 3

Signal Word (s)
DANGER

Hazard Statement (s)
H228 Flammable solid.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Pictogram (s)
Flame,Corrosion

Precautionary Statement – Prevention
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement – Response
P302+P352 IF ON SKIN: Wash with plenty of water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P370+P378 In case of fire: Use carbon dioxide, dry chemical, foam or sand to extinguish.

Precautionary Statement – Disposal
P501 Dispose of contents/container to an approved waste disposal plant.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
Petrolatum	8009-03-8	40 %
Calcium hydroxide (Ca(OH)2)	1305-62-0	2 %
potassium chlorate	3811-04-9	1.7 %
Sodium-2 biphenylate tetrahydrate; ([1,1'-Biphenyl]-2-ol, sodium salt, tetrahydrate)	6152-33-6	1 %
red phosphorus	7723-14-0	0.04 %

Section 4 - First Aid Measures

Inhalation
Not considered a potential route of exposure for intact/non lit product.
However, if breathing difficulties or irritation of the respiratory tract occur after exposure to fumes released from the lit match, remove affected person from contaminated area.
Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion
Not considered a potential route of exposure for intact product, when used as intended.
However, if the tip of the match is ingested, DO NOT induce vomiting.
Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin
Not considered a potential route of exposure for intact/non lit product.
However, if burns occur due to the lit match, seek treatment for the burn.
Do not break blister, attempt to remove loose skin, or apply lotion. Cool skin with cold water, wrap loosely with bandage or cloth, and seek immediate medical attention.

Eye
Not considered a potential route of exposure for intact/non lit product.
However, if burns occur due to the lit match, seek treatment for the burn.
Cool eyes rapidly with cold water. If contact lenses adheres to eyes, do not attempt to remove. Seek immediate medical attention.

First Aid Facilities
Eyewash, safety shower 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.

Section 5 - Firefighting Measures

Suitable Extinguishing Media
Carbon dioxide, dry chemical, foam or sand.

Unsuitable Extinguishing Media
Do not use water jet.

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 oxide if burning in confined spaces.

Specific hazards arising from the chemical
Flammable solid. May ignite by friction, heat, sparks or flame. Fire-exposed container may rupture/explode. May emit toxic fumes under fire conditions.

Hazchem Code
1Z

Decomposition Temperature
Not determined

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.

Section 6 - Accidental Release Measures

Emergency Procedures
Remove all sources of ignition. Increase ventilation. Evacuate all unprotected personnel. Do not breathe dust. Wear respiratory protection and full protective clothing to minimise exposure. Sweep up material avoiding dust generation - dampen spilled material with water if suitable to avoid airborne dust, OR where possible use dustless methods such as vacuum to collect the material; then transfer material in to suitable vapour tight labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Section 7 - Handling and Storage

Precautions for Safe Handling
Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Keep containers tightly closed. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. 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 facilities.

Conditions for safe storage, including any incompatibilities
Store in a well ventilated area away from heat and sources of ignition, out of direct sunlight and moisture. Take precautions against static electricity discharges. Use proper grounding procedures. Store away from incompatible materials such as materials that support combustion (oxidising materials). Store in suitable, labelled containers. Inspect periodically for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Ensure that storage conditions comply with applicable local and national regulations.
For information reference should be made to AS/NZS 5026 , The storage and handling of Class 4 dangerous goods.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values
No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Calcium Hydroxide
TWA: 5 mg/m³

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
Source: Safe Work Australia

Biological Monitoring
No biological limits allocated.

Control Banding
Not available

Engineering Controls
Use with good general ventilation.

Respiratory Protection
Respiratory protection is not needed in the event of adequate ventilation.

Eye and Face Protection
Not required when used as intended.

Hand Protection
Not required when used as intended.

Thermal Hazards
No further relevant information available.

Body Protection
Not required when used as intended.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Solid	**Appearance**	20 or 10 pieces of pressed wood-wax blocks with one end coated with the ignition compound
Colour	Brown	**Odour**	Wood-paraffine odour
Melting Point	Not determined	**Boiling Point**	Not determined
Decomposition Temperature	Not determined	**Solubility in Water**	Product is solid
Specific Gravity	Not available	**pH**	Not determined
Vapour Pressure	Not determined	**Relative Vapour Density (Air=1)**	Does not apply to solids
Evaporation Rate	Not determined	**Odour Threshold**	Not established
Viscosity	Product is a solid	**Volatile Component**	Not available
Partition Coefficient: n-octanol/water (log value)	Not determined	**Density**	Not available
Flash Point	> 180°C (Close cup)	**Flammability**	Flammable solid
Auto-Ignition Temperature	450°C	**Explosion Limit - Upper**	Not explosive
Explosion Limit - Lower	Not explosive	**Explosion Properties**	Readily combustible and misuse may result in burns or uncontrolled fires
Oxidising Properties	Not oxidising	**Particle Characteristics**	Not available

Section 10 - Stability and Reactivity

Reactivity
React with incompatible materials.

Chemical Stability
Stable under normal conditions of storage and handling.

Possibility of hazardous reactions
Reacts with incompatible materials

Conditions to Avoid
Heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking.

Incompatible Materials
This product should be stored away from sources of strong heat or oxidising chemicals.

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.

Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

Toxicology Information
No toxicity data available for this material.

Ingestion
Ingestion of match tip: May cause irritation to the mouth, throat, oesophagus, and stomach, with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

Inhalation
Inhalation of fumes from the lit match may cause irritation of the nose, throat and respiratory system.

Skin
Unlikely due to form of product.
Contact with lit match causes severe irritation and thermal burns; and can cause permanent scarring of tissue.

Eye
Unlikely due to form of product.
Contact with lit match can cause severe irritation and thermal burns; and can cause permanent scarring of tissue.

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.

Section 12 - Ecological Information

Ecotoxicity
Harmful to aquatic life with long lasting effects.

Persistence and degradability
The product is likely to persist in the environment. Part of the components are biodegradable.

Mobility
Not available

Bioaccumulative Potential
Not available

Other Adverse Effects
Not available

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

Hazardous to the Ozone Layer
This product is not expected to deplete the ozone layer.

Section 13 - Disposal Considerations

Disposal Considerations
Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Advise flammable nature. Empty containers may contain flammable residues. Do not cut, puncture or weld on or near containers. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Large quantities of firestarter matches can be safely disposed by controlled combustion at an approved incinerator.

To minimise personal exposure to the chemical, refer to Section 8 - Exposure Controls and Personal Protection.

Section 14 - Transport Information

Transport Information
Road and Rail Transport (ADG Code):
This material is classified as Dangerous Goods Division 4.1 Flammable Solids according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).
Division 4.1 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 Substances

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

ADG U.N. Number
1944

ADG Proper Shipping Name
MATCHES, SAFETY

ADG Transport Hazard Class
4.1

ADG Packing Group
III

Hazchem Code
1Z

IERG Number
20

Special Precautions for User
Not available

IMDG Marine pollutant
No

Transport in Bulk
Not available

Section 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

Montreal Protocol
Not listed

Stockholm Convention
Not listed

Rotterdam Convention
Not listed

International Convention for the Prevention of Pollution from Ships (MARPOL)
Not available

Agricultural and Veterinary Chemicals Act 1994
Not available

Basel Convention
Not available

Section 16 - Any Other Relevant Information

Date of Preparation
SDS Created: May 2022

Version Number
Version: 1.0

Literature 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.
Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Code of Practice for Supply Diversion into Illicit Drug Manufacture.
National Code of Practice for Chemicals of Security Concern.
Agricultural Compounds and Veterinary Chemicals Act.
International Agency for Research on Cancer (IARC) Monographs.
Montreal Protocol on Substances that Deplete the Ozone Layer.
Stockholm Convention on Persistent Organic Pollutants (POPs).
Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.
Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.
International Air Transport Association (IATA) Dangerous Goods Regulations.
International Maritime Dangerous Goods (IMDG) Code.

Workplace exposure standards for airborne contaminants.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition).
Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

END OF SDS