

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 Product identifier

**Product name** SPARKLERS - SHAPED, COLOURED, 16CM TO 40CM  
**Synonyms** E1521,E1522,E1523,E1524,E1525,E1526,E1527,E1528,E1529,E1530,E1531, E1532,  
E1585,E4905,E4906,E4907,E1001 • SPARKLERS

### 1.2 Uses and uses advised against

**Uses** PARTY APPLICATIONS  
Handheld party sparklers are small fireworks which are to be used outdoors only. Sparkler is lit from one ignition point and then burns around the rod.

### 1.3 Details of the supplier of the product

**Supplier name** IG DESIGN GROUP AUSTRALIA PTY LIMITED  
**Address** 121 Rayhur Street, Clayton South, VIC, 3169, AUSTRALIA  
**Telephone** +613 9541 0500  
**Email** [sales@igdesigngroup.com.au](mailto:sales@igdesigngroup.com.au)  
**Website** [www.igdesigngroup.com.au](http://www.igdesigngroup.com.au)

### 1.4 Emergency telephone numbers

**Emergency** +613 9541 0500

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS (GHS ONLY) ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

#### Physical Hazards

Explosives: Division 1.4

#### Health Hazards

Not classified as a Health Hazard

#### Environmental Hazards

Not classified as an Environmental Hazard

### 2.2 GHS Label elements

**Signal word** WARNING

#### Pictograms



#### Hazard statements

H204 Fire or projection hazard.

#### Prevention statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P240 Ground/bond container and receiving equipment.  
P250 Do not subject to grinding/shock/friction/rough handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**PRODUCT NAME SPARKLERS - SHAPED, COLOURED, 16CM TO 40CM****Response statements**

P370 + P380 In case of fire: Evacuate area.  
P372 Explosion risk in case of fire.  
P373 DO NOT fight fire when fire reaches explosives.  
P374 Fight fire with normal precautions from a reasonable distance.

**Storage statements**

P401 Store in accordance with relevant site and storage provisions.

**Disposal statements**

P501 Dispose of contents/container in accordance with relevant regulations.

**2.3 Other hazards**

Warning! Flammable. Emits showers of sparks. Extra precautions to be taken when using this product. Not suitable for children under 8 years old. Use only under close adult supervision. Hold and light only ONE sparkler at a time. Hold out horizontally, well away from body, clothing and other people. Don't run with, throw or hand a lit sparkler to someone else. Wear closed-toe shoes to prevent foot burns. DO NOT grab or hold the burnt section of a sparkler. Dispose of burnt sparklers in a bucket of water. FOR OUTDOOR USE ONLY. Not suitable for use on cakes or any food items. Store sparklers in a cool place away from children and naked flames. If product is bent or cracked, do not use as it increases risk of flammable pieces falling from wire frame. Retain packaging for future reference.

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**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

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**3.1 Substances / Mixtures**

Ingredient	CAS Number	EC Number	Content
BARIUM NITRATE	10022-31-8	233-020-5	58%
IRON	7439-89-6	231-096-4	25%
ALUMINIUM	7429-90-5	231-072-3	9%
FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH PHENOL	9003-35-4	500-005-2	8%

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**4. FIRST AID MEASURES**

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**4.1 Description of first aid measures**

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

**Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once).

**First aid facilities** Eye wash facilities and safety shower should be available.

**4.2 Most important symptoms and effects, both acute and delayed**

Over exposure to fumes may result in irritation.

**4.3 Immediate medical attention and special treatment needed**

Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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**5.1 Extinguishing media**

For small flames, use dry chemical, carbon dioxide or water spray. For large fires use water jets. DO NOT attempt to extinguish fire if other explosives are present. EVACUATE AREA.

**5.2 Special hazards arising from the substance or mixture**

Combustible. May evolve toxic gases when heated to decomposition. Designed to burn with a steady flame that cannot be blown out in a normal wind. Explosive when mixed with combustible material. Contents have oxidising properties, may assist combustion.

**5.3 Advice for firefighters**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Small fire - remove product which is not yet burning to a safe distance. Larger fire - fight from a protected location. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

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### 5.4 Hazchem code

- 1YE  
1 Coarse Water Spray.  
Y Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off.  
E Evacuation of people in and around the immediate vicinity of the incident should be considered.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Clear area of all unprotected personnel. Contact emergency services where appropriate.

### 6.2 Environmental precautions

Prevent product from entering drains and waterways.

### 6.3 Methods of cleaning up

Contain spillage, then collect and place in suitable containers for disposal. Eliminate all sources of ignition.

### 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. Ensure children who handle sparklers are properly warned, supervised and wearing non-flammable clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. If stored in bulk, store in a clean, dry licensed area. Do not be stored with other explosives. Store removed from moisture, sunlight, incompatible substances, heat or ignition sources. Ensure the storage area is adequately placarded. Large storage areas should have appropriate ventilation and fire protection systems.

### 7.3 Specific end uses

No information provided.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Aluminium (metal dust)	SWA [AUS]	--	10	--	--
Barium, soluble compounds (as Ba)	SWA [AUS]	--	0.5	--	--
Formaldehyde	SWA [AUS]	1	1.2	2	2.5
Iron oxide fume (Fe <sub>2</sub> O <sub>3</sub> ) (as Fe)	SWA [AUS]	--	5	--	--
Iron salts, soluble, as Fe	SWA [AUS]	--	1	--	--

### Biological limits

No biological limit values have been entered for this product.

### 8.2 Exposure controls

**Engineering controls** Provide suitable ventilation to minimise or eliminate exposure.

#### PPE

- Eye / Face** When using large quantities or where heavy contamination is likely, wear dust-proof goggles.  
**Hands** When using large quantities or where heavy contamination is likely, wear PVC or rubber gloves.  
**Body** When using large quantities or where heavy contamination is likely, wear coveralls.  
**Respiratory** Not required under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	GREY COLOURED SOLID
Odour	ODOURLESS
Flammability	COMBUSTIBLE
Flash point	> 250°C
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	NOT RELEVANT
Vapour density	NOT AVAILABLE
Specific gravity	NOT AVAILABLE
Solubility (water)	INSOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT AVAILABLE
Lower explosion limit	NOT AVAILABLE
Partition coefficient	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	Fire or projection hazard
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

### 10.2 Chemical stability

Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

### 10.4 Conditions to avoid

Avoid shock, friction, heavy impact, heat, sparks, open flames and other ignition sources.

### 10.5 Incompatible materials

Incompatible with acids (e.g. nitric acid), moisture, heat and ignition sources. May react explosively with combustible materials (eg oils).

### 10.6 Hazardous decomposition products

May evolve toxic gases when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

#### Information available for the ingredients:

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
BARIUM NITRATE	355 mg/kg (rat)	--	--
IRON	30000 mg/kg (rat)	--	--
FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH PHENOL	> 5000 mg/kg (rat)	> 2000 mg/kg (rat)	--

**Skin** Prolonged or repeated contact may result in mild irritation, rash and dermatitis. Contact with hot material may cause skin burns.

**Eye** Contact with fumes when heated may cause redness and lacrimation. Contact with hot material may cause eye burns.

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<b>Sensitisation</b>	Not classified as causing skin or respiratory sensitisation.
<b>Mutagenicity</b>	Not classified as a mutagen.
<b>Carcinogenicity</b>	Not classified as a carcinogen.
<b>Reproductive</b>	Not classified as a reproductive toxin.
<b>STOT - single exposure</b>	Not classified as causing organ damage from single exposure. However, over exposure to fumes may result in mucous membrane irritation of the respiratory tract.
<b>STOT - repeated exposure</b>	Not classified as causing organ damage from repeated exposure.
<b>Aspiration</b>	Not classified as causing aspiration.

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**12. ECOLOGICAL INFORMATION**

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**12.1 Toxicity**

No information provided.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Other adverse effects**

No information provided.

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**13. DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods**

**Waste disposal** Collect and place in sealable containers and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required).

**Legislation** Dispose of in accordance with relevant local legislation.

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**14. TRANSPORT INFORMATION**

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**CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
<b>14.1 UN Number</b>	0337	0337	0337
<b>14.2 Proper Shipping Name</b>	FIREWORKS	FIREWORKS	FIREWORKS
<b>14.3 Transport hazard class</b>	1.4S	1.4S	1.4S
<b>14.4 Packing Group</b>	None allocated.	None allocated.	None allocated.

**14.5 Environmental hazards**

No information provided.

**14.6 Special precautions for user**

**Hazchem code** 1YE

**EMS** F-B, S-X

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Poison schedule</b>	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
<b>Classifications</b>	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.
<b>Inventory listings</b>	<b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b> All components are listed on AICS, or are exempt. <b>UNITED STATES: TSCA (US Toxic Substances Control Act)</b> All components are listed on the TSCA inventory, or are exempt.

## 16. OTHER INFORMATION

**Additional information** EXPLOSIONS: For further information please refer to Australian Standard 1216, for classification of explosives and Local and Federal Explosive and Dangerous Goods legislation (Act and Regulations).

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

#### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

#### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

<b>Abbreviations</b>	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
	GHS	Globally Harmonized System
	GTEPG	Group Text Emergency Procedure Guide
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m <sup>3</sup>	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average

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**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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