

**ROCKCRACKER® TURRET IGNITER (Electric)**  
**MATERIAL SAFETY DATA SHEET**

1.4S UN0454  
**REVISION DATE: 01-01-14**

**1. IDENTIFICATION**

**1.1 SUPPLIER**

**Company:** RockTek trading for BD Explosives Pty Ltd  
**ABN:** 73 130 182 008  
**Street Address:** Lot 1334 Stakehill Road  
BALDIVIS WESTERN AUSTRALIA 6171  
**Telephone:** +61 8 9523 1374  
**Facsimile:** +61 8 9523 1449

**EMERGENCY TELEPHONE NUMBER:** 08 9427 0499 (24hrs)

**1.2 PRODUCT DESIGNATION**

**PRODUCT NAME:** RockCracker® Turret Ignitor

UN Proper Shipping Name Igniters  
UN Number 0454  
Dangerous Goods Class 1.4S  
Subsidiary Risk None  
Poisons Schedule Number None



**1.3 USE**

Igniter within the 27.5mm, 42mm and 60mm range of RockCracker® Cartridges.

**1.4 PERSONAL PROTECTIVE EQUIPMENT REQUIRED**



This is the minimum personal protective equipment required during the use of RockCracker® Cartridges.

Site specific personal protective equipment requirements also need to be adhered to.

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1.4 PHYSICAL DESCRIPTION



Black plastic turret affixed to black plastic cap, with an electric match inserted through the cap and turret component.

1.5 PHYSICAL PROPERTIES

Boiling Point (° C):	Not Applicable
Melting Point (° C):	Not Applicable
Vapor Pressure (kPa):	Not Applicable
Vapor Density:	Not Applicable
Specific Gravity:	Not Applicable
Solubility in Water:	Insoluble with lacquer coating intact
Reactivity in Water:	Not Applicable
Appearance and Odour	Medium brown coloured bead of pyrotechnic composition on a copper clad chip with two PVC insulated connecting wires of various lengths. Match head encased in plastic turret sheath.

2. HEALTH HAZARD INFORMATION

2.1 HAZARDOUS INGREDIENT/IDENTITY

Chemical Name	CAS #	Exposure Limits		Other Limits %
		OSHA (PEL)	ACGIH (TLV)	
Lead Thiocyanate	582-87-0	TWA .05mg(Pb)/m3	.15mg (Pb)/m3 TWA	.10mg(Pb)/m3 NIOSH TWA
Lead Oxide (Tetra)	1314-41-5	TWA .02mg(Pb)/m3		.10mg(Pb)/m3 NIOSH TWA
Potassium Chlorate	3811-04-09			ori rat LDLo:7.000mg/kg
Potassium Per chlorate	7778-74-7			ori rat LDLo:2.100mg/kg

### 3 SAFE HANDLING AND STORAGE

#### 3.1 STORAGE REQUIREMENTS

- Store RockCracker® Turret Igniters in original containers.
- Keep containers securely sealed until ready for use.
- Keep away from sources of heat and ignition, such as sparks or open flames.
- Store RockCracker® Turret Igniters in a cool, dry, well-ventilated, secure store.
- Store in an area away from other materials.
- Regularly check storage container and packaging.

#### 3.2 HANDLING REQUIREMENTS

- No smoking.
- Handle with caution.
- Protect RockCracker® Turret Igniters from damp and electric/ electromagnetic environments.
- Avoid subjecting products or their packaging to mechanical shock and physical damage.
- Do not attempt to disassemble the igniter.
- Testing and use of pyrotechnic items and materials may be carried out only with approved equipment and by qualified personnel (maximum intensity of current used for testing firing circuit resistance – 10mA).

#### 3.3 PRECAUTIONS TO BE TAKEN IN THE EVENT OF AN INCIDENT

Explosive materials accidentally spilt from pyrotechnic items must be recovered for removal and destructive disposal.

Where such an incident has occurred:

- Avoid all mechanical shock
- Avoid all friction
- Eliminate all risk of production of sparks
- Keep away from all heat sources.
- Keep away from naked flames.
- Keep away from other pyrotechnic products since any manipulation of such material may cause an explosion.
- Where packed pyrotechnic packing is broken open, transfer all the contents to a wooden or cardboard container avoiding subjecting them to any mechanical shock, spark, heat or other source of risk.

#### 3.4 FIRE/EXPLOSION HAZARD

- In the event of a fire, the product will release high levels of thermal emission.
- Clear area of personnel and move upwind.
- Do not use suffocation fire fighting method devices contain their own oxygen.
- Avoid all excessive heat as it may cause the igniter to initiate.

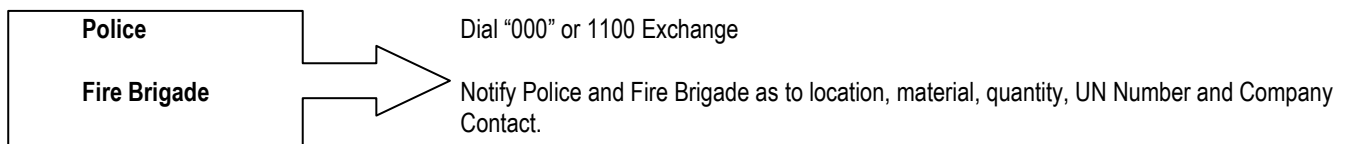
### 3.5 PRECAUTIONS TO BE TAKEN ON DISPOSAL

- Never dispose of these products in a dustbin/trash can or in a public disposal area.
- Destruction of pyrotechnic products by explosion or incineration must be carried out in an area specially designated for such disposal by physically protected personnel.
- Procedures, instructions and rules for the destructive disposal of pyrotechnic products and the associated means for physical protection of personnel must be determined on the basis of a technical safety study which must examine in particular the maximum load acceptable in terms of the disposal environment and the personnel to be protected from risk.
- Explosive materials must not be mixed with priming devices when the latter are being destroyed.

## 4. CONTACT POINTS

AUSTRALIAN POISONS INFORMATION CENTRE (24 hour service 13 11 26)

### EMERGENCY CONTACT



### COMPANY CONTACT

RockTek trading for BD Explosives Pty Ltd, Baldivis, Western Australia,

Telephone: 08 9427 0499 (24 Hours)