



## **DECCAN EXPLOTECH PVT. LTD.**

Manufacturers of Slurry & Emulsion Explosives

'Amrut Chambers', F. C. Road, 1216/7, Shivajinagar, Pune - 411 004. Maharashtra State, India.

Tel - 0091- 20 – 66493700 Fax - 0091- 20 – 66027999

[www.deccanfuse.com](http://www.deccanfuse.com)

# **MATERIAL SAFETY DATA SHEET**

1. **PRODUCT IDENTIFICATION:** - DECCAN POWER  
EMULSION EXPLOSIVES.

2. **INGREDIENTS:** -

Ammonium Nitrate  
Inorganic Oxidisers  
Special Emulsifier  
Waxes  
Gassing Agent

3. **CHARACTERISTICS:-**

Deccan Power is a high strength, non permitted cartridge emulsion explosive which gives excellent fragmentation due to its high VOD. It has good water resistant capacity and suitable for use in watery holes.

4. **PROPERTIES:** -

- a) Deccan Power explosives does not contain any explosive ingredients.
- b) Does not contain any headache causing ingredients.
- c) Appearance – Light Pink mixture packed in plastic cartridges.
- d) Odour – Mild odour.
- e) Solubility – Insoluble in water
- f) Reactivity – Detonation may occur from heavy impact or excessive heating particularly under confinement. Avoid all contact with other chemicals.

5. **SPECIFICATIONS:** -

a) Type	Emulsion Explosives
b) Classification	Class II explosives
c) Sensitivity	Sensitive to detonator
d) Density	1.10 to 1.25- g/cc
e) VOD	4000 TO 4500 mtrs/ sec
f) Shelf life	6 Months



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### 6. **PACKING:** -

The material is packed in HDPE cartridges of 125gms each and are clipped with aluminium wire on both ends. These cartridges are packed in card board boxes of 25 Kgs. Each.

### 7. **APPLICATION:** -

Deccan Power is used in general purpose blasting works such as site leveling, stone quarries, tunneling, well sinking and other civil construction works. Among mining industry, it is used in removal of overburden and in secondary blasting works.

### 8. **HEALTH HAZARD INFORMATION:** -

Acute effects – No adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet. Swallowing can result in nausea, vomiting and gastric.

Eye – Causes moderate irritation in the eye.

Skin – Material should be wiped from the skin and then wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs, seek medical advice.

#### Advice to Doctor

Treat as per exposure to Nitrates. Nitrates can have a smooth muscle relaxant effect, which can result in hypertension.

### 9. **PERSONAL PROTECTION:** -

Avoid repeated and prolonged skin contact. Wear standard safety shoes. Always wash hands before eating and drinking.



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### 10. **SAFETY PRECAUTIONS IN HANDLING, STORAGE AND TRANSPORT:** -

- a) To be stored in dry location, protected from excess heat.
- b) No smoking, no naked flames or sparks and no articles of flammable nature should be present near by.
- c) No unauthorized person, no child of below 16 yrs. of age and no person who is in the state of intoxication shall be employed for handling, loading, unloading and transportation of slurry explosives.
- d) Deccan Power should be stored in authorized magazines only.
- e) The boxes should be handled with care.
- f) Detonators should not be stored or transported along with Deccan Power.
- g) While inserting detonator into the Deccan Power, excess force should not be applied.
- h) The boxes should be stored on wooden bottoms only.
- i) Deccan Power can be transported along with Detonating Cord.

### 11. **PRODUCT DETERIORATION:** -

The process of deterioration of this material is a gradual crystallization of the composition, generally starting from the outside and moving towards centre. After prolonged storage, a slight crusty shell begins to be apparent when the cartridges are squeezed. The product should be test fired before use.

### 12. **SPILLS:** -

Shut off all ignition sources. Clear off the area from unauthorized personnel. In case of transport accident, notify the local police station/ authorities.



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### 13. **DISPOSAL:** -

Small quantities of damaged or deteriorated material may be destroyed by inclusion in a blast hole containing good explosives.

### 14. **FIRE HAZARDS:** -

In case of fire, if actual explosive is not burning, carefully remove explosives as much as possible to a safe distance. If explosives are burning, evacuate area immediately. Do not fight fire.

Explosives decompose while burning, emitting white fumes of Nitrous Oxide.

### 15. **OTHER INFORMATION:** -

The SAFETY DATA SHEET summarizes the health and safety hazard information of the product and in particular how to safely handle and use the product in the workplace. Since DEXPL cannot anticipate or control the conditions under which the product may be used, each user must prior to usage, review the SAFETY DATA SHEET.

If clarification or further information is needed, the user should contact DEXPL, Yawat/Pune.



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### **16. STATUTORY INFORMATION:**

#### **(i) For indigenous market, as per the Explosives rules 1983, Govt of India.**

- a) Safety distance category: **zz**
- b) Class 2 Div.NIL
- c) Supplies against furnishing Form RE-11, duly supported by a Photostat copy of License, granted by Department of Explosives to Store and sell/use Class 2 Explosive.

#### **(ii) For overseas markets**

- a) UN Classification:

Class:	1
Division:	1.1 & 1.5
Type:	D
UN No.:	0084
Page No.:	NA
Stowage Category:	NA

- b) Permission of buyer's Government is necessary in pursuance with the Explosives Rules of respective country, for import of explosives.