

# QUALITY TECHNOLOGIES PRIVATE LIMITED

## TECHNICAL DATA SHEET: **HOTCOVR 02**

### PRODUCT DESCRIPTION

**HOTCOVR 02** are a range of exothermic cum insulating anti -piping compound used on risers for non-ferrous castings. They are specially formulated with insulating and refractory fillers and high temperature insulating additives. The main purpose of **HOTCOVR 02** is to minimize the heat losses from the top surface and to retain more metal in the liquid state by preventing premature freezing of the riser surface. **HOTCOVR 02** are heat generating compounds which when added ignite within 30-60 seconds on contact with molten metal and form a insulating cover on the top surface of the riser. The combined effect of both exothermic reaction and insulating cover results in improved feeding efficiency. Presently the following grades of **HOTCOVR 02** are available in our range -

- **HOTCOVR 02 A** - Heat generating anti-piping compound used for aluminium and its alloys.
- **HOTCOVR 02 B** - Burns, reacts exothermically, expands and forms insulating cover on the risers of copper and its alloys.

### HOW TO USE

**HOTCOVR 02** is added on top of the liquid metal in risers immediately after pouring. It is advisable to pour the hot metal upto 2.5 cm below the top surface of the riser and add **HOTCOVR 02** in the remaining place. It burns and generates an exothermic reaction providing a hot insulating cover on the top surface after 30-60 seconds of addition. The normal addition rate for **HOTCOVR 02** is 0.5g/cm<sup>2</sup>. Excessive additions of **HOTCOVR 02** will result in premature chilling of the riser surface.

### INDICATIVE SPECIFICATIONS

PROPERTY	RANGE	
	HOTCOVR 02 A	HOTCOVR 02 B
PRODUCT NAME	HOTCOVR 02 A	HOTCOVR 02 B
Appearance	Powder	Powder
Colour	Reddish brown colour	Grey colour
Mesh size	-18mesh	-22mesh
Sensitivity at 800 °C	30-40 sec	20-30 sec
Shelf life	6 months	6 Months

### PACKING DETAILS

**HOTCOVR 02** is supplied in 20 Kg HDPE bags. The product should be stored in a cool and dry place.

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## MATERIAL SAFETY DATA SHEET: **HOTCOVR 02**

1. **PRODUCT IDENTIFICATION**  
Trade Name & Use : HOTCOVR 02 A, HOTCOVR 02 B – Riser Topping Compound  
Manufacturer / Supplier : QUALITY TECHNOLOGIES PVT. LTD.  
No.34, Road No.1, IDA Mallapur, Nacharam P.O.,  
Hyderabad – 500076. PH:040-27153888, 27155828.  
Fax: 040-27152567, email : [info@qtecindia.com](mailto:info@qtecindia.com)  
Website:www.qtecindia.com
2. **INFORMATION ON COMPOSITION** : Mixture of Minerals, Active chemicals and fillers
3. **HAZARDS IDENTIFICATION**  
Flammability : Yes  
Auto Ignition Temperature : 400°C  
Corrosive Material : No  
Explosive Material : No
4. **FIRST AID :-**  
At inhalation, ingestion and contact with skin : Rinse with plenty of water and if suspect symptoms persist seek  
Eye Contact : Medical advice.
5. **FIRE – FIGHTING MEASURES :-**  
Fire : Flammable
6. **ACCIDENTAL RELEASE MEASURES :-**  
: Spillage should be swept away and washed away with water wherever  
required.
7. **HANDLING STORAGE :-**  
Handling & Storage precautions : Keep in a cool and dry place.
8. **EXPOSURE CONTROLS / PERSONAL PROTECTION :-**  
Route of Entry : Skin  
Effects of Exposure : Constant exposure and inhalation cause mild irritation to the nose,  
eyes and skin. Wash the affected area with lot of water and  
consult a doctor.  
Personal protective equipment : Avoid direct contact with hands use gloves wherever possible.
9. **PHYSICAL AND CHEMICAL PROPERTIES:-**  
Appearance : Red free flowing powder  
Physical state : Powder  
Odour : Specific Odour
10. **STABILITY AND REACTIVITY :-**  
Chemical Stability : Stable  
Incompatibility with : Partly Hygroscopic  
Other materials  
Hazardous reaction product : None
11. **TOXICOLOGICAL INFORMATION :-**  
On product : No data available  
On Ingredients : Contains Salts which are mildly toxic.
12. **ECOLOGICAL INFORMATION :-**  
On product : No data available  
On Ingredients : No data available
13. **DISPOSAL CONSIDERATIONS :-**  
Empty Bags : Never use empty bags for storing food stuffs or other materials meant  
for human and animal consumption. Empty bags may be sold as scrap  
or to HDPE recyclers approved by the State Pollution Control Boards.
14. **TRANSPORT INFORMATION :-** : Non-dangerous product for transportation by road, sea, air.
15. **REGULATORY INFORMATION :-** : No data available
16. **OTHER INFORMATION :-** : No data available

**DISCLAIMER:** This information is furnished without warranty of any kind. It is based on our knowledge and is believed to be reliable. This information does not contain any assurance of technical properties or suitability for a specific application or results. We reserve the right to change specs. without prior notice as a natural consequence of our continuous efforts in product development and improvement.