

# QUALITY TECHNOLOGIES PRIVATE LIMITED

## TECHNICAL DATA SHEET: **HOTCOVR 01**

### PRODUCT DESCRIPTION

**HOTCOVR 01** are a range of exothermic cum insulating anti piping compounds used on risers in the manufacture of all cast irons and steels. During solidification of molten metal, those regions that are in contact with atmosphere solidify rapidly due to radiational heat losses. **HOTCOVR 01** are heat retaining compounds which when added burn, react and form an insulating cover upon the molten metal and minimizes the heat loss from the top surface. Presently the following grades of **HOTCOVR 01** are available in our range depending upon the reducing order of efficiency –

- **HOTCOVR 01 S** – Burns immediately, reacts exothermically and form an insulating cover.
- **HOTCOVR 01 A/LC** – Burns, reacts exothermically, expands and form an insulating cover.
- **HOTCOVR 01 B** – Burns, reacts exothermically and forms insulating cover.
- **HOTCOVR 01 C** – Low cost Ladle cover.

### HOW TO USE

**HOTCOVR 01** 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 01** in the remaining place. It burns and generates an exothermic reaction, within 30–60 seconds, of addition depending upon the product use. Care should be taken to ensure that excessive additions of **HOTCOVR 01** are not made, since it would result in premature chilling of the riser surface.

RISER DIAMETER (in Inches)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	12.0	14.0	16.0	18.0
<b>HOTCOVR 01 S</b> (Qty. in Gms.)	5	10	20	40	60	90	150	175	250	400	-	-	-	-	-	-	-	-
<b>HOTCOVR 01 A / 01 A LC</b> (Qty. in Gms.)	-	-	-	-	25	50	75	100	125	200	350	500	750	1000	1750	2750	4000	6000
<b>HOTCOVR 01 B</b> (Qty. in Gms.)	-	-	-	-	50	100	150	175	250	400	700	1000	1500	2000	3500	5500	8000	12000
<b>HOTCOVR 01 C</b>	Addition rate for <b>HOTCOVR 01 C</b> is 1.5g/cm <sup>2</sup>																	

### INDICATIVE SPECIFICATIONS

PROPERTY	RANGE			
	<b>HOTCOVR 01 S</b>	<b>HOTCOVR 01 A / LC</b>	<b>HOTCOVR 01 B</b>	<b>HOTCOVR 01 C</b>
Appearance	Powder	Powder	Powder	Powder
Colour	Greyish Brown colour	Black colour	Black colour	Black colour
Mesh size	-18+22mesh	-60mesh	-60mesh	-60mesh
Sensitivity at 800°C	> 15sec.	30–40 sec.	60–90 sec.	Not Applicable
Shelf life	6 months	6 months	6 Months	6 Months

### PACKING DETAILS

**HOTCOVR 01 S**, **HOTCOVR 01 A/LC** and **HOTCOVR 01 B** are supplied in 20Kg HDPE bags and **HOTCOVR 01 C** is supplied in 15Kg. HDPE bags. The product should be stored in a cool and dry place.

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## MATERIAL SAFETY DATA SHEET: **HOTCOVR 01**

1. **PRODUCT IDENTIFICATION**  
Trade Name & Use : HOTCOVR 01 S, HOTCOVR 01 A/LC, HOTCOVR 01 B, HOTCOVR 01 C  
– Riser/Ladle 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 : Black 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.