

QUALITY TECHNOLOGIES PRIVATE LIMITED

TECHNICAL DATA SHEET: **HOTCOVR 03**

PRODUCT DESCRIPTION

HOTCOVR 03 are a range of metal yielding compounds, for feeding molten metal to risers in the production of iron and steel castings. The product can also be used for remelting skulls in prematurely solidified risers. When added on the top of a hot riser, **HOTCOVR 03** yields nearly 40% molten iron with negligible quantities of aluminium and silicon. Presently only one grade designated as **HOTCOVR 03 A** is available in our range.

HOW TO USE

HOTCOVR 03 A should be used whenever there is a short fall in feed metal from the riser, whatever be the reason. Immediately when riser skulling/metal short fall is noticed, **HOTCOVR 03 A** should be added @ 20 g/c.sq. on the riser surface. The product will ignite within 60 sec. and generate super heated molten iron upto 40% of the total addition. This super heated metal will remelt the skull and enable generation of feed metal. In the ensuing thermit reaction, a layer of slag forms on top of the riser. This layer should be removed to permit atmospheric pressure feeding through the riser. Depending upon the requirement additional quantity of **HOTCOVR 03 A** may be added. Correct addition rate can be worked out only through shop floor trials and requirements.

INDICATIVE SPECIFICATIONS

PROPERTY	RANGE
PRODUCT NAME	HOTCOVR 03 A
Appearance	Black Powder
Mesh size	-30 mesh
Sensitivity	30-60 sec.
Yield	35% min.
Shelf life	6 Months

PACKING DETAILS

HOTCOVR 03 is supplied in 20 Kg HDPE bags. The product should be stored in a cool and dry place.

QUALITY TECHNOLOGIES PRIVATE LIMITED

MATERIAL SAFETY DATA SHEET: **HOTCOVR 03**

1. **PRODUCT IDENTIFICATION**
Trade Name & Use : HOTCOVR 03 A – Exothermic Metal Yielding 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
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 : Greyish 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.