

LSF 2

Inoculation Alloys

Application

LSF 2 is a highly effective inoculant based on ferrosilicon. It is suitable for ductile iron, gray iron and compacted graphite iron and precipitates stable nucleus for the formation of graphite. LSF 2 is effective in avoiding carbides and is able to reduce undesired effects of tramp elements. Further, it is reported that it contributes to reduce micro porosities.

Reference analysis

% Si	45 - 50 %
% La	1.8 - 2.2 %
% Ca	max. 2.5 %
% Fe	residual

Addition rates

Addition rates vary depending on the foundry requirements (e.g. 0.05 – 0.5%).

Sizing

0.6 - 3 mm	(ladle inoculation)
0.2 – 0.7 mm	(in stream inoculation)

* additional sizes for in stream are available upon request.

Packaging

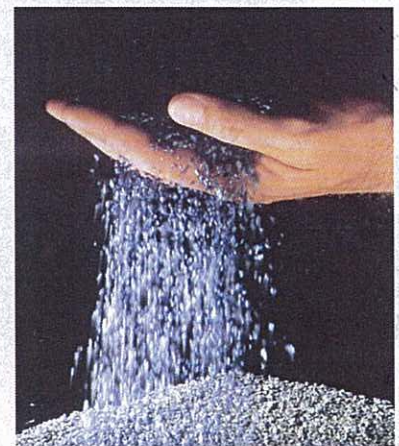
- 25 kg paper sacks on pallet
 - 100 kg steel drum on pallet
 - 1000 kg super sack on pallet
- The containers are covered with a protective film.

Shelf life and transport

LSF 2 can be stored unlimited in its original packaging. The effects of humidity are to be avoided. Relevant hazardous substance regulations must be complied with. Our Shipment Handling department can provide further information. LSF 2 is not a hazardous substance as defined by transport regulations.

Technical properties & economic benefits:

- Good dissolution behavior
- High effectiveness
- Low consumption
- Uniform graphite precipitation
- Elimination of carbides
- Improved mechanical properties



Product Management Metallurgy

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The data in this information sheet corresponds to the current state of our knowledge and is intended to provide information on our products and their potential applications. It is not therefore sufficient to assure certain properties of the products or their suitability for a concrete intended use, and does not contain any complete instructions for use. It also does not represent any guarantee of condition and durability and the user is not exempted from testing the suitability and potential applications for the intended purpose. Any extant intellectual property rights must be taken into account. The Environment and Quality Management of ASK Chemicals Metallurgy GmbH is certified and fulfills the requirements of DIN EN ISO 9001, 14001, 50001 and OHRIS. This information sheet shall cease to be valid if a new version is issued.

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