

# Sigma Sand LP<sup>®</sup>



The high-technology  
resin coated sand for  
environmentally conscious  
foundries



# Sigma Sand LP<sup>®</sup>

## Resin coated sands

Low Phenol / Low Nitrogen / Low Odor / Reduced Foundry Emissions

Compliance with ever tightening environmental regulations will be one of the major challenges facing foundries as we approach the 21st century. Borden Chemical listens when foundrymen ask for improvements in Shell Process resin coated sands.

**50% REDUCTION in free phenol content\***

**50% REDUCTION in nitrogen content\***

**Lower odor during shell core and mold making**

**Faster overall core and mold production cycles**

**Less smoke and odor at pouring and shakeout**

The reduction in free phenol and nitrogen levels allows SIGMA SAND LP products to minimize odor during shell core and mold making and reduces smoke levels at pouring and shakeout.

\*as compared to standard resin coated sand products

SIGMA SAND LP is here today.

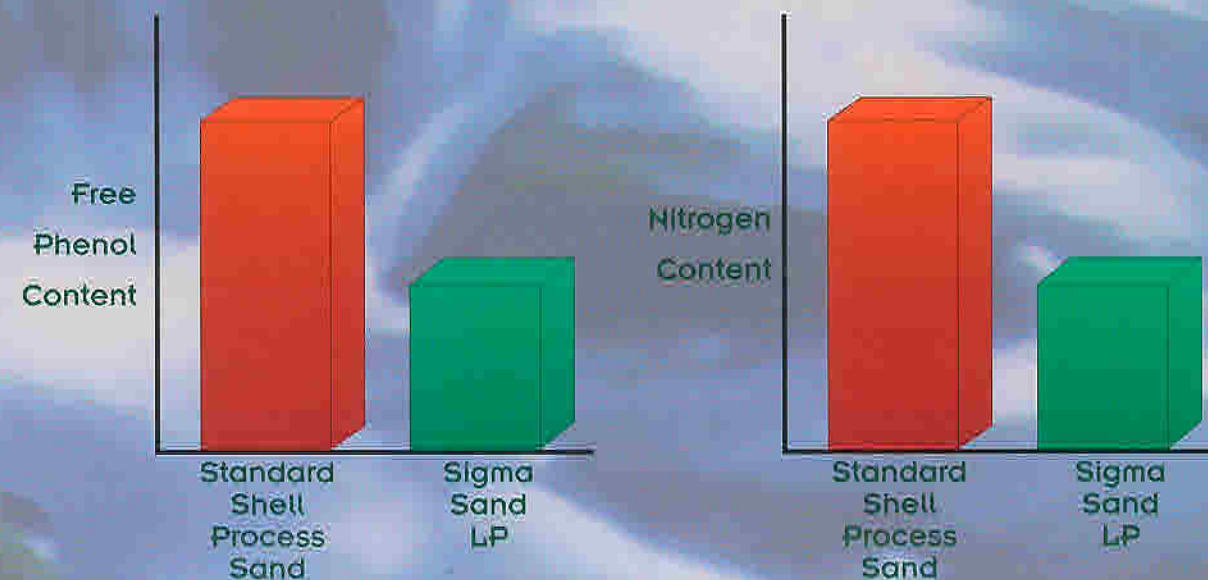
The reduction in free phenol levels available from SIGMA SAND LP will be of significant benefit to foundries in reporting lower emission levels to governmental agencies and in complying with the new provisions of the Clean Air Act. SIGMA SAND LP also reduces nitrogen content which will be a major benefit in assisting foundrymen to produce defect-free castings.

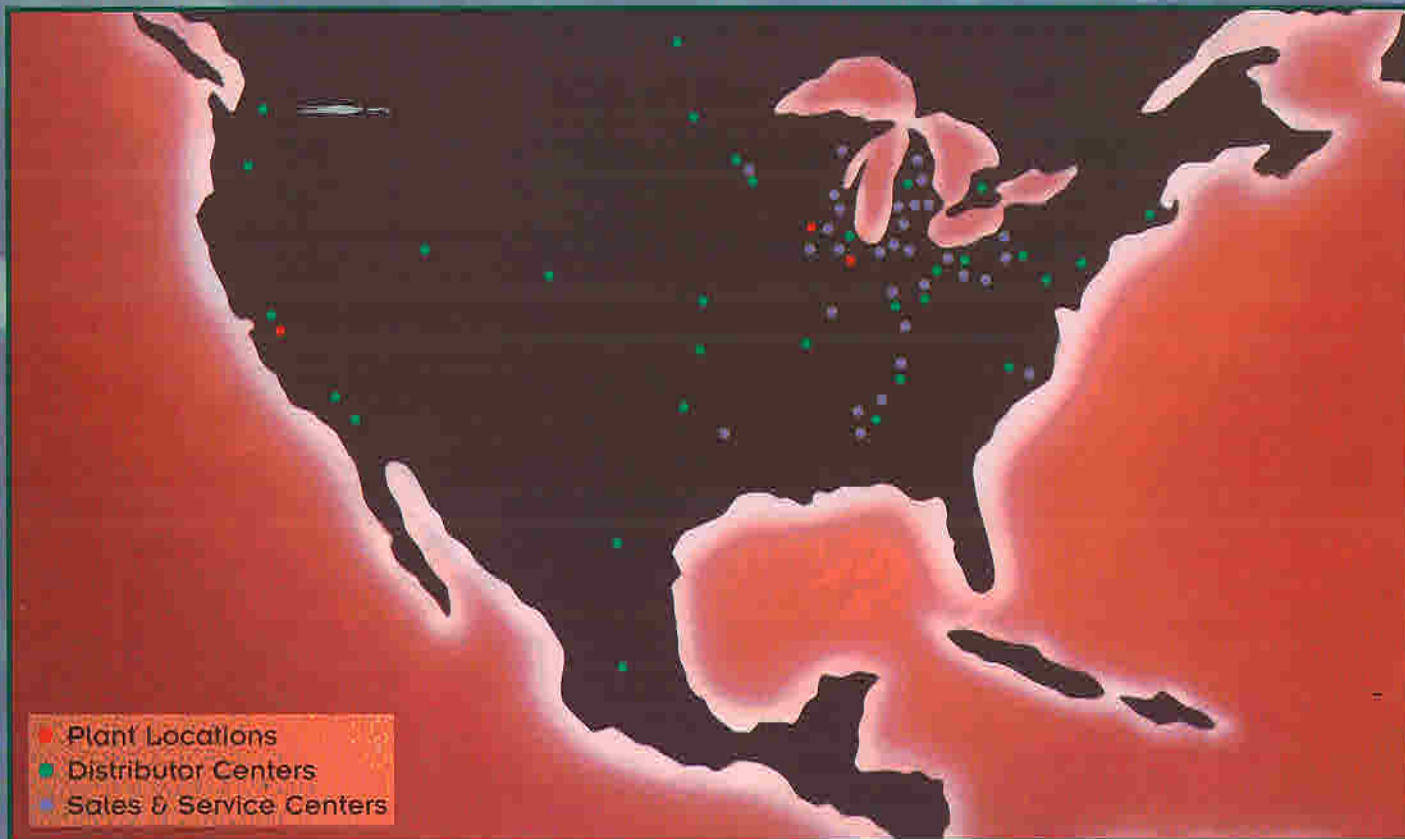
SIGMA SAND LP is fast curing thus allowing for maximum core and mold production rates. SIGMA SAND LP can be produced in a variety of grain finenesses and resin contents in order to customize a product specific to your needs.

SIGMA SAND LP is a major step forward in demonstrating the continued appeal

of the Shell Process, the most broadly used core-making process in the foundry industry.

Contact us today for further details and to take advantage of the environmental and casting quality advantages of SIGMA SAND LP.





Products you can trust – people you can depend on.

### Dedicated to meeting your requirements

Borden prides itself on having the broadest distribution network of anyone in the foundry industry.

Our resin coated sand plants allow us to meet the specific requirements of our customers. Borden is the only resin coated sand supplier producing its own resins. That means total control from raw material to finished product. This combined with our sales and service coverage enable you to enjoy on-time delivery and responsive support before and after your order.



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