

To all customers

Conversion to lead-free materials until the end of the year 2015

Dear Sir or Madam,

As announced with our press release in June 2014, we have developed a new lead-free version of our highly successful deva.bm® bearing material for self-lubricated applications. Due to a continuous product improvement Federal-Mogul DEVA GmbH will change its portfolio in the future. As a result all lead containing products of our deva.bm® series will be substituted by unleaded versions. This is our contribution to the protection of human health and environment.

Currently lead is widely used in bronze bearings as an emergency lubricant which is activated only by high local surface temperatures. With our new, self-lubricating bearing material we provide a product which contains a high percentage of solid lubricants, such as graphite or polytetrafluoroethylene (PTFE) to reduce friction and hence surface temperature. As a result, lead is no longer a necessary component within our deva.bm® bearing material and we can provide an environmentally friendlier product without loss of performance. Thus we will provide the accustomed DEVA-quality also in the future.

On request we will be happy to send you the new material sheets of our lead-free versions.

Should you have further questions, please do not hesitate to contact our Sales Engineers at any time.

In the annex of this letter you will find a comparison matrix of the old leaded deva.bm® alloy and its new substitute.

Yours sincerely,

Federal-Mogul DEVA GmbH



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Appendix:

Comparison of the old leaded alloys and the equivalent lead-free version:

Leaded version	Lead-free version
Brand Name	Brand Name
deva.bm 311	deva.bm 371
deva.bm 312	deva.bm 372
deva.bm 313	deva.bm 373
deva.bm 321	deva.bm 381
deva.bm 322	deva.bm 382
deva.bm 323	deva.bm 383
deva.bm 331	deva.bm 387
deva.bm 332	deva.bm 388
deva.bm 333	deva.bm 389
deva.bm 341	deva.bm 391
deva.bm 342	deva.bm 392
deva.bm 343	deva.bm 393
deva.bm 351	deva.bm 397
deva.bm 352	deva.bm 398
deva.bm 353	deva.bm 399