

**Our strengths. Your gains.**

## **PMA Emission and Extraction Study Funding Request**

The PMA is sponsoring an emissions study to quantify the emissivity of the following compounds that are of interest to the PMA membership: MDI, MDA, TDI, TDA and MOCA in hot cast/heat cured elastomer systems. We are also sponsoring an extraction study to determine the unreacted levels of these compounds in hot cast/heat cured elastomers. This information will be used to mitigate current and future regulatory issues coming from EPA TSCA Risk Assessments, EU's REACH, CA Proposition 65 and other state, federal and international regulatory organizations. A detailed summary of the results will be made available to all PMA members.

Based on current information, we would expect the emissivity results to be below the CA Prop 65 Safe Harbor limits. We also expect the extraction results to show that all the compounds of interest will be below the 0.1 weight percent level, exceedance of which may trigger regulatory requirements for SVHC's (Substances of Very High Concern) under EU REACH.

The PMA has commissioned EHS Analytics located in Sweden to conduct both the emissions and extraction study. EHS Analytics has developed a state-of-the-art emissions protocol that will be used for this study. The total cost of these studies will be \$88,100. In order to fund this study, the PMA is approaching PMA primary supplier members and non-members, as well as PMA secondary supplier members and processor members, for contributions in the form of a pledge payable by May 1, 2021. The breakdown of the cost of these studies is as follows:

Emission study (MDI, MDA, TDI, TDA) -	\$16,100
Emission study (MOCA) which includes method development and validation -	\$51,400
Extraction study (MDI, MDA, TDI, TDA) -	\$11,200
Extraction study (MOCA) which includes method development and validation -	\$9,400
Total Cost:	\$88,100

The primary supplier contribution has been broken down according to the study cost per individual compound of relevance. The primary supplier contribution levels vary from \$2,400 to \$13,000. Primary supplier companies that contribute will be given a copy of the full study report.

PMA member secondary suppliers (e.g. those that do not meet the definition of a primary supplier like polyol suppliers, etc.) and processors are being invited to contribute to this study according to the following suggested amounts:

\$1,000	(large secondary suppliers)
\$500	(large processors and smaller secondary suppliers)
\$250	(smaller processors)

Contributions of \$2,400 or higher will receive a copy of the full EHS Analytics report.

As mentioned earlier, a detailed summary report of the results will be made available to all PMA members.

It is our goal at the PMA to promote and support a sustainable future for the chemicals of interest to our members and this study would further that goal. We appreciate your serious consideration of this important study.

Best regards,



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