TCI POWDER COATINGS

ELLAVILLE PLANT HEADQUARTERS
734 Dixon Drive
Ellaville, GA 31806
(229) 937-5411
(800) 533-9067

GLOBAL TECHNOLOGY CENTER
2837 Dawn Road
Jacksonville, FL 32207
(904) 730-8882

AIR EMISSIONS

RE: 7410-72506 FISHER DOVE GREY 6743091-M, 7410-12363 FISHER SAND 6743088-M, and 7410-92049 FISHER SHELL WHITE 6743048-M

The following product safety and regulatory compliance information supplements the information provided in Material Safety Data Sheets (MSDS) for TCI powder coatings. **Disclaimer**: *The information and any recommendations contained herein are based on data believed to be correct. No guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of these products.*

Air Emissions. TCI powder coatings are supplied in dry powder form. They are essentially non-volatile, however, since they are based on organic resins they may contain traces of low molecular weight organic material and other residuals. Moisture generally accounts for much of the slight weight loss (ca.<1%) typically measured after one hour at 110 degrees C (ASTM D-2369-86). With the common exception of products containing Blocked Polyisocyanates, powder coatings usually do not form volatile organic by-products on curing.

The subject products do not contain Blocked Polyisocyanates based on the formulation of record.

Products containing Blocked Polyisocyanates, however, release small amounts (e.g., 1-6%) of the chemical Caprolactam (CAS # 105-60-2) during cure. Caprolactam serves as the blocking agent in these polyisocyanate materials. Trace amounts of monomer isocyanates may also be released during the cure of some of these products. Caprolactam is not on the list of Hazardous Air Pollutants (HAP) but it is considered a hazardous chemical under OSHA. Curing oven air should be vented outside of the work environment. This release of Caprolactam will not be measured by the standard test method for volatile organic compounds (VOC) because the test is run at a temperature below normal product curing temperatures (40 CFR Part 60, Method 24 of Appendix A). Consult permitting authorities about questions regarding the regulatory status of these releases for your facility.

Most powder coatings are not considered significant sources of volatile organic compounds (VOC). These products do not contain or evolve on curing any meaningful amounts of volatile constituents that are presently on the HAP list.

Prepared by: TCI Product Safety and Regulatory Compliance

October 25, 2012