



Statement of Compliance with GADSL - Global Automotive Declarable Substance List

Magnetics, A Division of Spang & Company, meets all requirements for the GADSL objective to provide information along the vehicle supply chain to manage potential health risks. Magnetics products do not contain the hazardous substances that are restricted by GADSL.

Nickel, CAS #7440-02-0, and its compounds are on the GADSL list of chemicals as substances that should be Declared, FI, For Information purposes only. Nickel appears on the GADSL list due to the reference to the Council Directive of 27 July 1976, (76/769/EEC).

In accordance with entry 28 of Annex I to Directive 76/769/EEC nickel may not be used "*in products intended to come into direct and prolonged contact with the skin, if the rate of nickel release from the parts of these products coming into direct and prolonged contact with the skin is greater than 0.5 $\mu\text{g}/\text{cm}^2/\text{week}$* ". The aim of this restriction is to protect consumers against nickel allergy which may occur as a result of prolonged contact of skin with nickel-releasing articles such as jewelry, buttons, zippers and rivets in items of clothing.

Magnetics' MPP, High Flux, and EDGE™ cores contain nickel in the following concentrations:

MPP: 81% High Flux: 50% EDGE: 50%

Magnetics' Strip Wound cores contain nickel in the following concentrations:

Permalloy and Supermalloy: 79% Orthonol and Alloy 48: 50%

Nickel is a metal element in the magnetic alloy composition. Nickel inside coated MPP and HF cores would not come into contact with skin in normal use.

In addition, Magnetics is in compliance with, **RoHS** (Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 for the restrictions of the use of certain hazardous substances, Directive 2006/122/EC of the European Parliament and of the Council of 12 December 2006, amending for the 30th time Council Directive 76/769/EEC, the RoHS 2 Directive enacted July 2011 and RoHS 3 Directive enacted June 2015 and amending Directive (EU) 2015/863 relating to restrictions on the marketing and use of certain dangerous substances and preparations); **PFOS** (Directive 2006/122/EC of the European Parliament and of the Council of 12 of December 2006); and **REACH** (Magnetics products do not contain any of the SVHC, substances of very high concern, published by the ECHA, European Chemicals Agency.)

Products supplied by Magnetics include ferrite cores, MPP, Kool M μ , XFlux, Edge, and High Flux powder cores, tape wound toroidal cores, and bobbin cores.

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