

## Environmental Edge Codes and LeafMarks

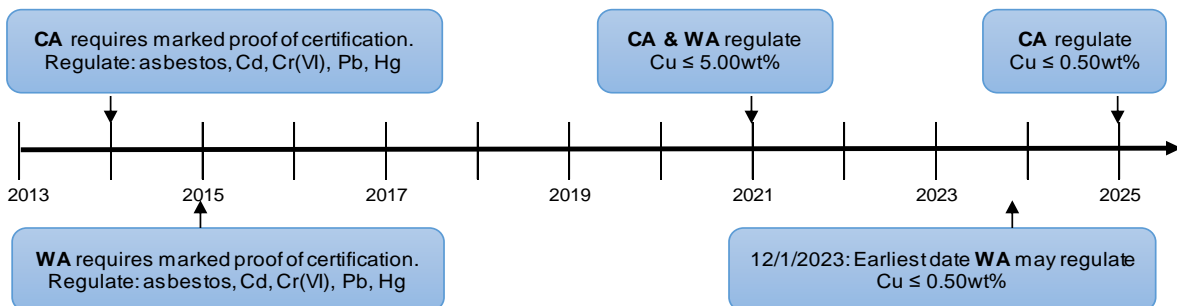
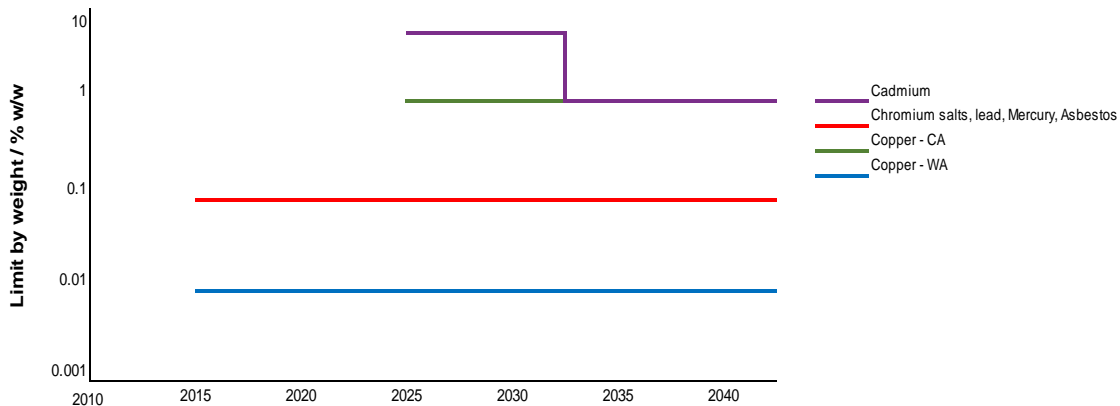
To help protect the environment, the states of California and Washington (currently with limits and future bans on copper, heavy metals and asbestiform fibers on friction materials) have enacted laws limiting the weight percentage of specific constituents within friction materials. The U.S. states of California and Washington have passed a new law regarding the environmental sustainability of automotive brake pads, brake linings and brake shoes. Antimony, nickel, and zinc, will be initially monitored, not regulated.

Due to this law, which is known as “Better Brake Rules”, manufacturers of brake friction materials are required to register their products.




Beginning 2014 in California and 2015 in Washington, only friction materials meeting those limitations and the following criteria may be sold:

1. Constituent testing by an accredited third-party laboratory
2. Registration by a third-party registrar including publicly posting registered edge codes
3. Mark friction materials’ environmental compliance level on their edge codes
4. Mark friction materials’ packaging with a proof-of-registration trademark

The timelines below show how copper and other materials will become more restricted over time.



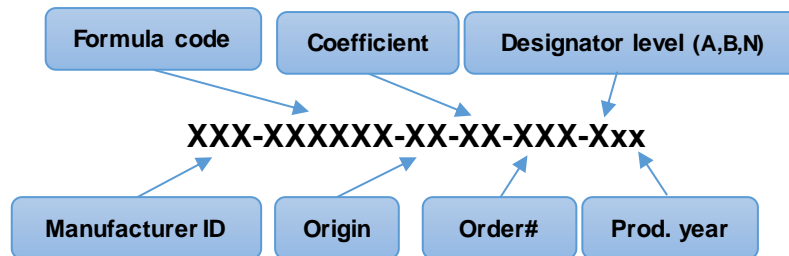
The LeafMarks are trademarks which were created by **AASA** (Automotive Aftermarket Suppliers Association) and which **NSF** (the only registrar able to sublicense the LeafMarks) has sublicensed to our company based on the test results (SAE J2975 and J866 Standards) of an accredited third-party laboratory.

Material	1/1/2014 Level A	1/1/2021 Level B	12/1/2023 Level N
CU	No limit	5.00 wt%	0.50 wt%
Asbestos, Cr(IV), Pb, Hg	0.10 wt%	0.10 wt%	0.10 wt%
Cd	0.01 wt%	0.01 wt%	0.01 wt%
<b>AASA LeafMark Logo</b>			

MÜLLER has assigned the edge codes and NSF has registered the edge codes.

The structure of marking of MÜLLER Brake Pads with environmental edge code:

**Manufacturer ID-Formula-Origin-Coefficient-last 3 digit of order number-Environmental designator level-year of production**



To fulfill these requirements, all MÜLLER brake pads which could probably be sold to the United States of America are already certified and marked with environmental code on the product.

MÜLLER Brake Pad has been awarded the LeafMarks logo, which were created by Automotive Aftermarket Suppliers Association (AASA). The mentioned certification requires that the friction material pass several tests under SAE J2975 and SAE J866, which are mainly concerned with regulations regarding heavy metals and asbestos form content of the products. Being 100% asbestos-free, MÜLLER Brake Pads have been tested by LINK Laboratory (an NSF accredited laboratory) and awarded the LeafMarks certification.