



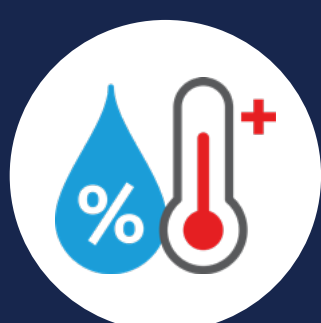
# Preventing Electro Corrosion Failures to Ensure Safety

## How Electro Corrosion Occurs



Halides or red phosphorous are added to thermo-plastic to meet thermal and safety requirements

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These additives can react to form acids in warm and humid environments

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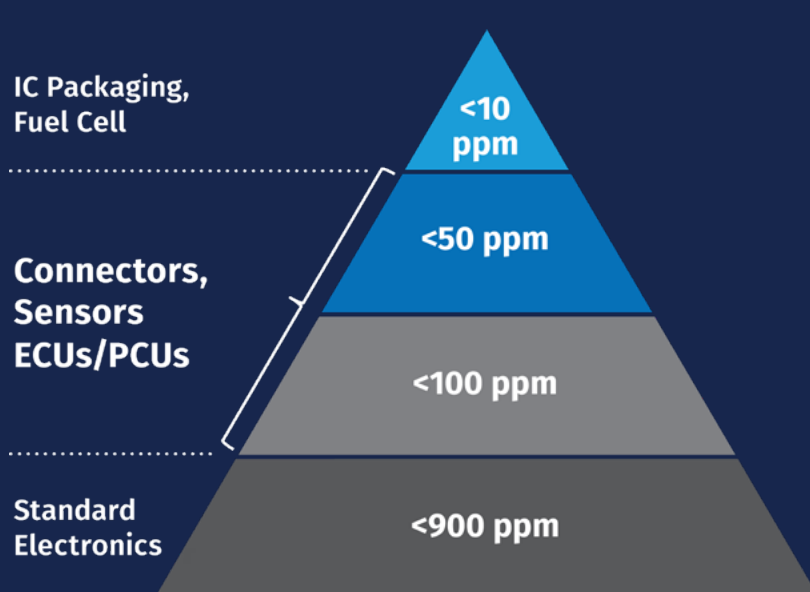


This creates corrosion

## What Can Happen When Electro Corrosion Is Unchecked?

The failure of a key system, such as a backup camera, could create potentially fatal situations due to 100% preventable electro corrosion.

By limiting halides (<50–100 ppm) in connectors, sensors, ECUs and PCUs, electro corrosion can be avoided.



DSM offers a full portfolio of best-in-class electro friendly materials that are halide free.

	Akulon® PA6 PA66		Arnite® PBT PET		Stanyl® PA46	EcoPaXX® PA410	Xytron™ PPS	ForTii® PA
V0 halogen free	✓	✓			✓	✓	✓	✓
V0 halogen containing	✓		✓		✓			
HB e-friendly	✓	✓	✓	✓	✓	✓		✓



DSM provides product substance absence declarations to verify harmful levels of corrosive substances are not present in materials.

Learn more about electro corrosion material solutions at [DSM.com/Electro-Friendly](https://www.dsm.com/Electro-Friendly)