



March 1, 2023

Subject: Detrex CMR Free Statement

To whom it may concern,

This acronym stands for Carcinogenic, Mutagenic or Toxic to Reproduction substances. In Europe these substances are also known as substances of very high concern (SVHC). The European Chemicals Agency (ECHA) maintains a list of substances listed as SVHC items. To be evaluated for inclusion in this listing a substance must meet one of the following criteria:

- It is carcinogenic
- It is mutagenic
- It is toxic for reproduction
- It is persistent, bioaccumulative and toxic
- It is very persistent and very bioaccumulative
- There is “scientific evidence of probable serious effects to human health or the environment which contain a level of “concern”. Such levels of concern would include substances classified as neurotoxic, endocrine-disrupting, or containing unanticipated environmental health risks.

Decomposing HCl in ambient air releases Chlorine and Hydrogen. Hydrogen molecules when released into the atmosphere ultimately combines with ambient Oxygen molecules to form water. Free Chlorine is routinely used to sanitize municipal drinking water and swimming pools. It is also used in a multitude of widely available household products as a sanitizing agent. Chlorine is not a persistent substance, and when used to treat water, for example, it typically has a half-life in the water of 1.3 to 5 hours.

Detrex HCl products and their primary constituents of Chlorine and Hydrogen are not CMR substances. For more information on this topic see the Detrex statement on SVHC Substances.

Sincerely,

Dave Morgan
Global Product Manager, Hydrochloric Acid
Detrex Chemicals