



CHLORENDIC ANHYDRIDE

PE1+ GRADE

VC 02-10

Chlorendic Anhydride is a solid, reactive flame retardant with an unusually stable chlorinated bicyclic structure. The PE1 Plus grade is a higher purity grade than standard technical grade material offering improved color for applications where color is critical.

BENEFITS

Besides being fire resistant, polyesters containing chlorendic anhydride often exhibit a significant degree of UV stability and corrosion resistance.

SPECIFICATIONS

Assay, % min	95
Chlorendic acid, % max	3
Color (polyester), Gardner, max	1
Hexachlorocyclopentadiene, % max	0.02
Maleic anhydride, % max	1

TYPICAL PROPERTIES

Appearance	White crystalline solid
Chlorine, %	54.5
Free volatiles, % max.....	1
Iron, ppm	1
Molecular weight (average)	371
Odor.....	None
Solution Color*, APHA, max.....	100
Specific gravity, 25°C/25°C.....	1.73

* Solution 90 grams in 51 ml of 1:1 Methanol:Acetone

REGULATORY INFORMATION

<i>Europe</i>	
EINECS Status	Listed: 1,4,5,6,7,7-Hexachloro-8,9,10-trinorborn-5-ene-2,3-dicarboxylic anhydride EC # 204-077-3
<i>Americas</i>	
TSCA Inventory	Listed: 4,7-Methaneisobenzofuran-1,3-dione,4,5,6,7,8,8-hexchloro-3a,4,7,7-a-tetrahydro CAS# 115-27-5
Canadian DSL	Listed: 4,7-Methaneisobenzofuran-1,3-dione,4,5,6,7,8,8-hexchloro-3a,4,7,7-a-tetrahydro
<i>Pacific Rim</i>	
Australian Inventory (AICS)	Listed: 4,7-Methaneisobenzofuran-1,3-dione,4,5,6,7,8,8-hexchloro-3a,4,7,7-a-tetrahydro
Chinese Inventory of Existing Chemical Substances (IECSC)	Listed: 4,7-Methaneisobenzofuran-1,3-dione,4,5,6,7,8,8-hexchloro-3a,4,7,7-a-tetrahydro Chinese Section # III
Japan MITI/MHW Chemical Substances Control Inventory for Existing and New Chemical Substances	Listed, Chlorendic anhydride ENCS # (4)-621
Korean Existing Chemicals Inventory (KECI)	Listed: 4,5,6,7,8,8-hexchloro-3a,4,7,7-a-tetrahydro-4,4-methanoisobenzofuran-1,3-dione Korean Gazette # MOL92-14, KE-18418
Philippines Inventory (PICCS)	Listed: Chlorendic anhydride

The information in this data sheet is, to the best of our knowledge, true and accurate. The representations about the product are based upon test results achieved under laboratory practices supervised and controlled by Velsicol Chemical LLS. Since formulations, preparation or conditions of use may vary, Velsicol is unable to guarantee the same performance as indicated.

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Chlorendic Anhydride PE 1 Plus Grade

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