

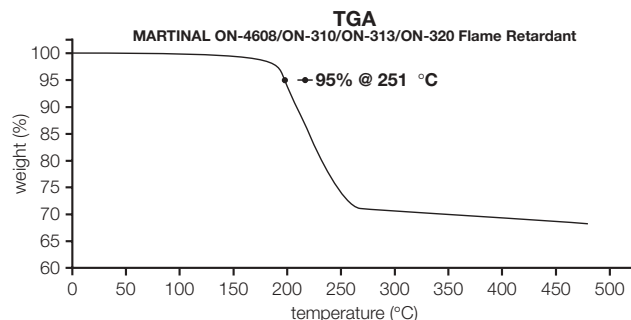
Description

MARTINAL ON flame retardants (medium particle size) are used primarily as flame retardants and fillers in thermosetting plastics and liquid dispersions.

Typical Properties

	ON-4608	ON-310
Al(OH) ₃ , %, approx.	99.6	99.6
Moisture (105 °C), %	≤ 0.3	≤ 0.3
Loss on ignition (1200 °C), %, approx.	34.5	34.5
Na ₂ O (soluble), %	≤ 0.05	≤ 0.04
Particle size (laser diffraction, Cilas)		
d ₁₀ um	1.0 - 3.0	1.5 - 3.5
d ₅₀ um	7.0 - 10.0	9.0 - 12.0
d ₉₀ um	16.0 - 24.0	18.0 - 26.0
Solubility in water (20 °C, pH 7), g/l	1.5 x 10 ³	1.5 x 10 ³
Refractive index	1.58	1.58
Electrical conductivity (10% in H ₂ O), kg/m ³	≤ 150	≤ 140
Whiteness (Elrepho 457 nm), %, approx.	94	93
Oil absorption, cm ³ /100g	24 - 30	23 - 29
DOP absorption, cm ³ /100g	30 - 37	29 - 36
Density, g/cm ³	2.4	2.4
Bulk density, kg/m ³ , approx.	620	640

	ON-313	ON-320
Al(OH) ₃ , %, approx.	99.6	99.6
Moisture (105 °C), %	≤ 0.25	≤ 0.2
Loss on ignition (1200 °C), %, approx.	34.5	34.5
Na ₂ O (soluble), %	≤ 0.04	≤ 0.03
Particle size (laser diffraction, Cilas)		
d ₁₀ um	2.0 - 4.0	2.5 - 4.5
d ₅₀ um	11.0 - 15.0	15.0 - 25.0
d ₉₀ um	25.0 - 33.0	40.0 - 70.0
Solubility in water (20 °C, pH 7), g/l	1.5 x 10 ³	1.5 x 10 ³
Refractive index	1.58	1.58
Electrical conductivity (10% in H ₂ O), kg/m ³	≤ 130	≤ 120
Whiteness (Elrepho 457 nm), %, approx.	92	90
Oil absorption, cm ³ /100g	23 - 29	20 - 25
DOP absorption, cm ³ /100g	29 - 36	25 - 32
Density, g/cm ³	2.4	2.4
Bulk density, kg/m ³ , approx.	720	900



Shipping Information**Container Information**

50 lb bag, 25 kg bag (55.1 lb), 1000 kg supersack

Shipping Classification

DOT Classification, Not Regulated for Transportation

Safety and Handling Information

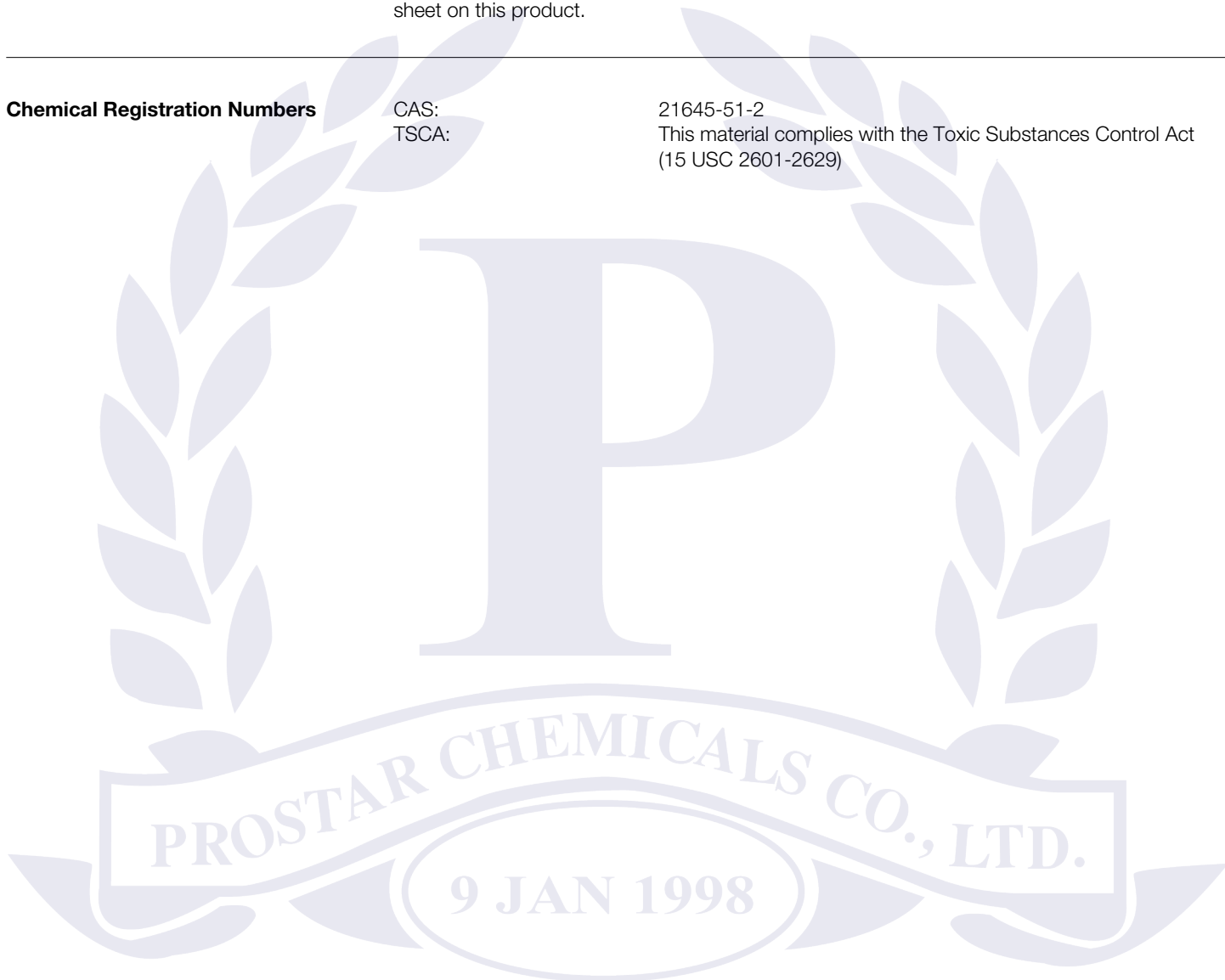
For specific safety, toxicity and handling information, please refer to the material safety data sheet on this product.

Chemical Registration Numbers

CAS:

21645-51-2

TSCA:

This material complies with the Toxic Substances Control Act
(15 USC 2601-2629)

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