

Additional National Regulations

Required sulphur content of marine fuels if vessels are not using other technologies (e.g. exhaust gas scrubber) to achieve the reduction of emission of sulphur dioxide.

Type of Fuel	where to apply	Sulphur Content	Regulation	Entry into Force
Marine Gas Oil (MGO, DMX, DMA)	EU Waters	0.1%	EU Directive 2012/33/EC	in force
any Marine Fuel	at all EU Berths	0.1%	EU Directive 2005/33	in force
any Marine Fuel	all EU Inland Waterways	0.1%	EU Directive 2005/33	in force
Main Engines / Auxiliaries / Oil-fired Boilers	to be only operated with MDO or MGO within 24 nm of California Shore	MGO: 0.1% MDO: 0.1%	California Air Resource Board Marine Notice 2013-1	in force
any Marine Fuel	at Hong Kong Berths or "at anchor" at HongKong roads	0.5 %	HK Air Pollution Control Regulation L.N. 51 of 2015	in force
any Marine Fuel	"at berth" or "at anchor" of all ports within Chinese ECAs ¹ (ports may implement 2016)	0.5 %	Regulation of Chinese Ministry of Transportation	in force
	at Shanghai berths (excluding first and last hour at berth)		Shanghai Municipal Transport Commission and Shanghai Maritime Safety Administration	1 st April 2016
	other chinese ports may also implement in 2016 ³		local port administrations	t.b.a.
any Marine Fuel	"at berth" or "at anchor" of key ports ² within Chinese ECAs ¹	0.5 %	Regulation of Chinese Ministry of Transportation	1 st Jan 2017
any Marine Fuel	"at berth" or "at anchor" of all ports within Chinese ECAs ¹	0.5 %	Regulation of Chinese Ministry of Transportation	1 st Jan 2018
any Marine Fuel	within entire Chinese ECAs ¹	0.5 %	Regulation of Chinese Ministry of Transportation	1 st Jan 2019
any Marine Fuel	within entire Chinese ECAs ¹	0.1 %	Regulation of Chinese Ministry of Transportation	most probably on 1 st Jan 2020
any Marine Fuel	EU Waters (wich are not SECA or at-Berth)	0.5%	EU Directive 2012/33/EC	1 st Jan 2020

¹ Chinese ECAs: Chinese Ministry of Transportation has defined 3 ECAs: Pearl River Delta ECA, Yangtze River Delta ECA and Bohai Rim Ship ECA. The Pearl River Delta does not include the waters of HongKong and Macao. For exact coordinates refer to the Regulation of Chinese Ministry of Transportation or ask your local agency or inspection department.



Rough overview of Chinese ECAs

² Chinese Key Ports: Guangzhou, Shenzhen, Zhujiang, Shanghai, Ningbo-Zhoushan, Suzhou, Nantong, Tianjin, Qinghuangdao, Tangshan and Huanghua

³ At the moment of issuance only Shanghai has released an own announcement on implementation of domestic emission control area in waters of Shanghai Port in 2016.
