



PETROCHEM
CARLESS

Aromatics



CAROMAXTM
CAROMAX LN

Caromax™ 20, 26 and 28 aromatics are used in products such as fuel additives, oilfield chemicals, agrochemicals and surface coatings. Available in two different levels of naphthalene content, 10% or 1%, these products help manufacturers meet new EU labelling requirements.

Typical properties of Caromax and Caromax LN aromatic products

	CAROMAX			CAROMAX LN		
	20	26	28	20	26	28
Density @15°C	0.891	0.903	0.989	0.883	0.905	0.990
Distillation Range IBP °C	188	197	222	186	190	222
50%	190	218	260	189	218	260
Dry Point °C	209	290	298	198	290	298
Flash Point °C	66	77	97	66	77	106
Aromatic content %	>99	>75	>98	>99	>75	>98
Naphthalene content %	8	11	10	0.9	0.7	0.7

Petrochem Carless is leading the way in reducing naphthalene in aromatics and pioneering the development of low naphthalene products.

Staying ahead of new legislation

Aromatics, used widely in fuel additives, oilfield chemicals, agrochemicals and surface coatings, contain quantities of naphthalene. Evidence that naphthalene may be a possible carcinogen has prompted the EU Classification and Labelling Working Group to state that naphthalene should have a category 3 cancer classification. This means that all products containing greater than 1% naphthalene have to display Xn, R40 hazard labelling. For manufacturers, suppliers and distributors of products containing aromatics, these additional labelling requirements and the potential health and safety implications present major concerns.

Petrochem Carless recognises these concerns and offers low naphthalene content aromatics. Significantly, Petrochem Carless offers aromatics customers' a number of distinct advantages in reducing naphthalene levels in their end products.

Existing low naphthalene performance

Petrochem Carless aromatics such as Caromax 20, 26 and 28 already have low naphthalene levels of circa 10%. Many competitor products have levels as high as 15%. Reducing high levels of naphthalene can present significant processing problems and alter the physical and chemical characteristics of the product.

Reduced naphthalene, identical performance

Petrochem Carless low naphthalene aromatics (circa 10%) retain their existing physical and chemical characteristics. Specifically, the new naphthalene depleted (less than 1%) Caromax 20 LN, 26 LN and 28 LN deliver the same main performance characteristics as Caromax 20, 26 and 28. Critical factors such as solvency, emulsifiability and evaporation rate all remain unchanged.

Familiar product balance

Similarly, the component balance of the naphthalene depleted Caromax grades remains unaltered

Reliable supply, consistent performance

Caromax 20 LN, 26 LN, 28 LN and other naphthalene depleted aromatics will be available to a consistent worldwide formulation and in drum or bulk quantities.

Working to meet new legislation

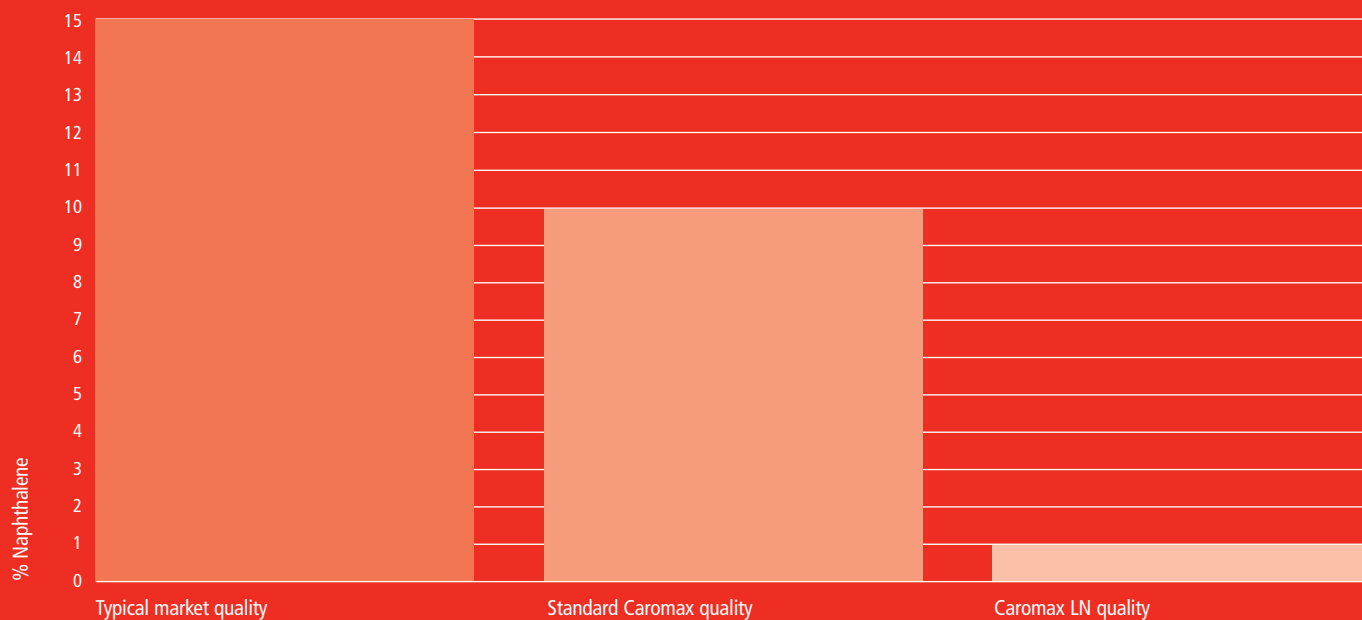
Petrochem Carless will continue to monitor all proposed changes to legislation and labelling affecting aromatics. Petrochem Carless aim to provide reliable, cost effective ways for customers to meet any new requirements, and their goal is always to minimise any impact which change may have on their customers' existing processes and products.

The Petrochem Carless development team and full analytical laboratory facilities are always available to help you with any investigations you may need.



Petrochem Carless now offer less than 1% naphthalene aromatics with the same performance characteristics as existing aromatics.

Naphthalene contents of aromatic grades



Product Range

Alcohols
Aliphatic Solvents
Amines
Aromatics
Automotive Products

Blends
Burning Oils
Chlorinated Solvents
Custom Processing
Drilling Mud Fluids

Esters
Glycols
Glycol Ethers/Esters
Ketones
Heat Transfer Fluids

Performance Fuels
Plasticisers
Printing Ink Distillates
Process Oils
Refinery Naphthas

Special Kerosines
Speciality Base Oils
White Oils
Other products

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