

DER TAL®

BIOLIQUIDS

FOR THE PRODUCTION OF GREEN HEAT,
STEAM AND POWER



WHERE DO OUR PRODUCTS COME FROM?



NATURE IS OUR ORIGIN

A world leader in plant chemistry, we have produced pine-based renewable ingredients since 1932 and we offer our customers highly efficient and sustainable alternatives to fossil resources.

Among all the bio-sourced products we develop, we provide a range of bioliquids, DERTAL[®], manufactured from renewable raw materials stemming from the paper industry.

This range of products allows industries and heating networks to commit to a more environmentally-friendly approach without any competition with food usage.

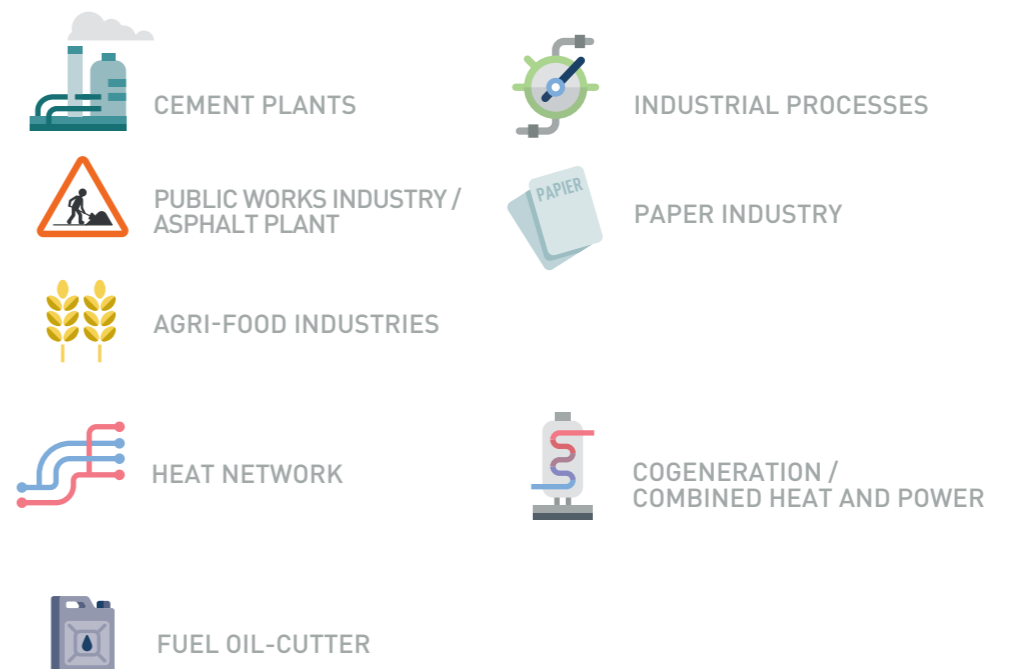
BIOLIQUIDS SUITABLE TO ALL YOUR APPLICATIONS

Positioned as renewable alternatives to heavy fuel oils and mineral oils, DRT bioliquids offer a solution to reduce fossil fuel energy consumption and consequently drastically reduce combustion emissions (CO₂, SO_x, NO_x, heavy metals).

These bioliquids are suitable for the production of heat, steam and power in boilers and combined heat and power units of few MW or less.

Our products may be used in industrial and city boilers, ovens, heat and asphalt plants and cogeneration units. They may also be mixed with fuels.

YOUR APPLICATIONS



DER TAL[®], A COMPREHENSIVE RANGE

DER TAL[®] products are renewable bioliquids manufactured in France. With a range of highly efficient products offering varied characteristics, the DER TAL[®] product line meets the requirements of many applications.

DER TAL[®] 600

DER TAL[®] 600 is a bioliquid with lower sulfur and nitrogen levels compared to heavy fuel oil and better operational and storage conditions. DER TAL[®] 600 is ISCC-EU compliant.

DER TAL[®] 600 LA

DER TAL[®] 600 LA ("Low Ash") is a refined bioliquid with lower ash and minerals levels compared to DER TAL[®] 600 for optimal performance. DER TAL[®] 600 LA is ISCC-EU compliant.

DER TAL[®] LV

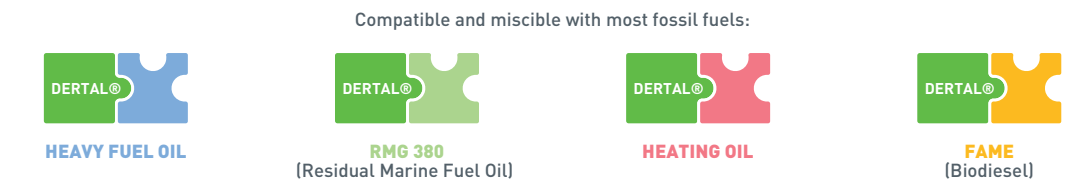
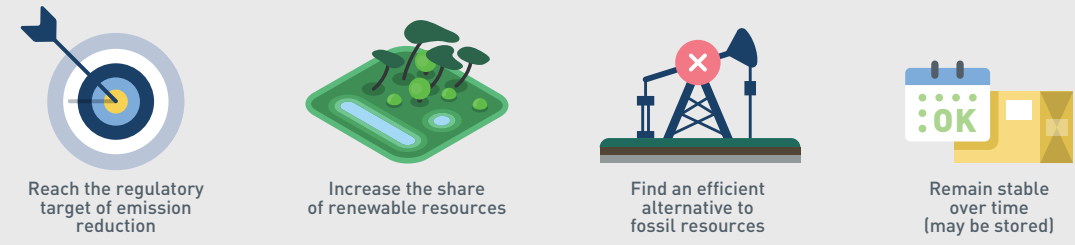
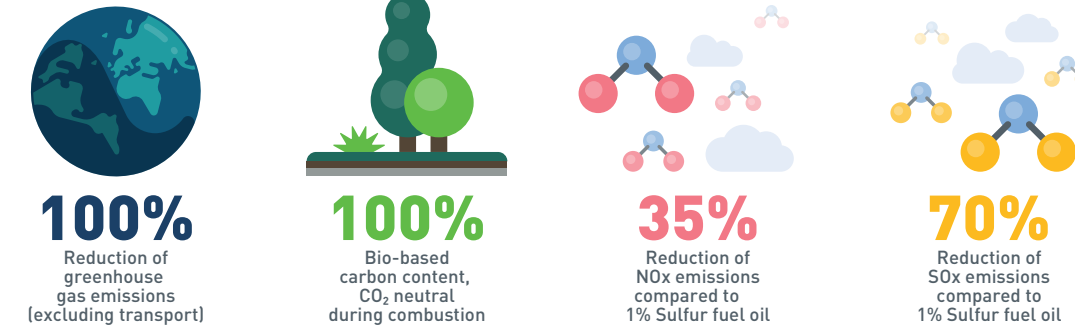
DER TAL[®] LV ("Low Viscosity") is a "light" bioliquid with lower ash content and higher calorific value compared to DER TAL[®] 600, that does not require to be kept heated for its storage. DER TAL[®] LV is ISCC-EU compliant.

DER TAL[®] LO

DER TAL[®] LO ("Light Oil") is a "light" refined bioliquid with the lowest sulfur, nitrogen and ash levels among the product line. It also features a higher calorific value compared to the other DER TAL[®] products. DER TAL[®] LO is ISCC-EU compliant.

AN EFFICIENT AND GREEN RANGE

Manufactured from renewable materials, DRT bioliquids do not enter in competition with resources dedicated to food usage.



ISCC CERTIFICATION

International Sustainability and Carbon Certification

Sustainability certification system covering the entire supply chain and all kinds of biobased feedstocks and renewables.

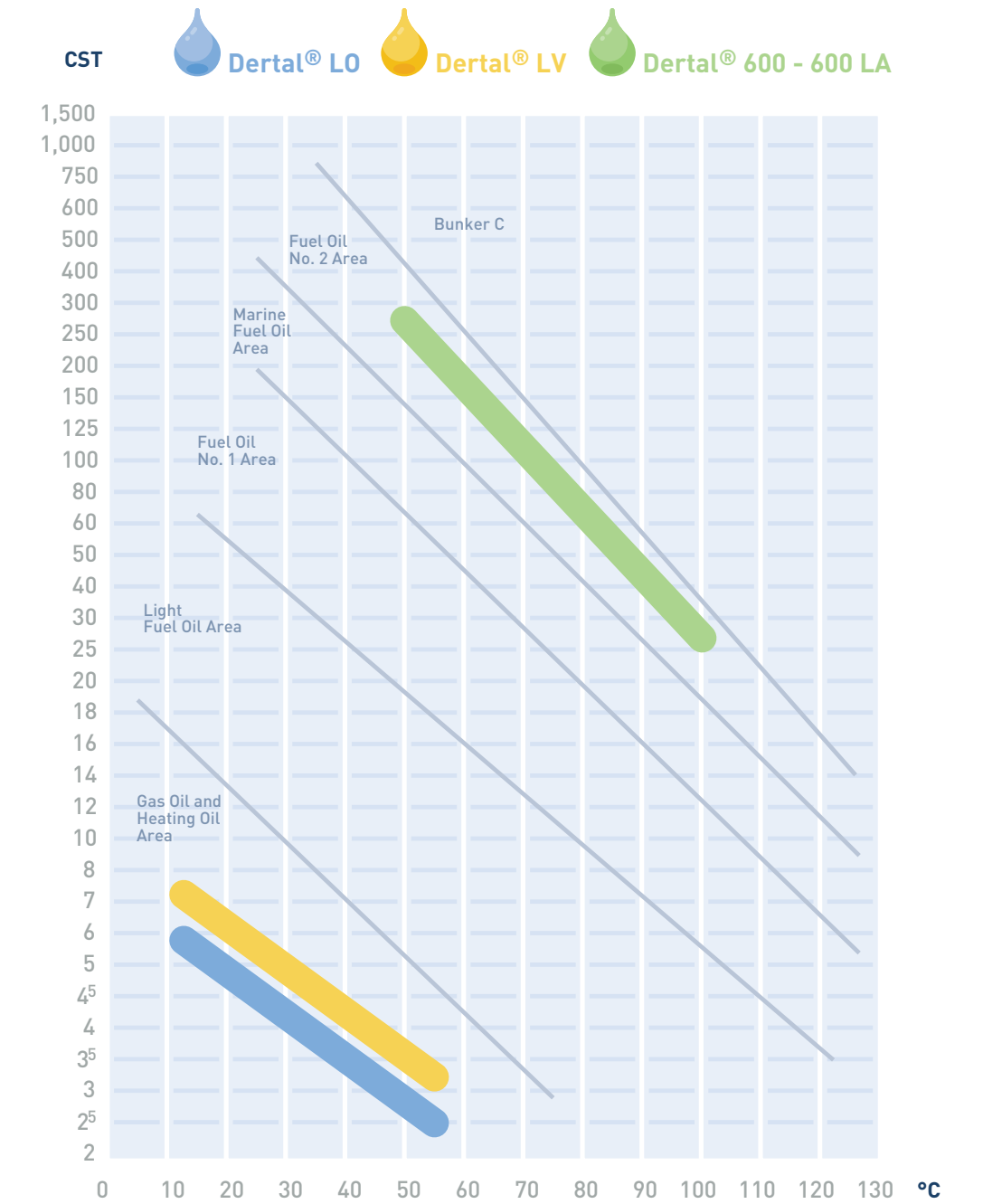


DER TAL[®], a prize winner at the national Responsible Care[®] Awards 2020

PRODUCTS AIMED AT REDUCING YOUR EMISSIONS

Characteristics	Unit	FOSSIL FUELS & OIL		DRT BIOLIQUIDS			
		Heavy Fuel oil (1% Sulfur)	RMG 380	Der tal [®] 600	Der tal [®] 600 LA	Der tal [®] LV	Der tal [®] LO
Flash Point Pensky	°C	> 70	> 55	180	180	55	55
Density at 20°C	kg/m ³	940 - 1,050	800 - 880	978	978	910	890 - 940
Lower calorific value	MJ/kg	> 35	41.7	> 35	37.5	40	41
Viscosity at 20°C	mm ² /s	-	3 - 9.5	-	-	7	4
Viscosity at 50°C	mm ² /s	-	-	330	330	3	2
Viscosity at 100°C	mm ² /s	< 40	-	30	30	-	-
Water content	Mass %	< 0.6	< 0.02	0.5	0.5	0.1	0.05
Sulfur content	Mass %	< 1	0.1	0.25	0.25	1	0.03
Nitrogen content	Mass %	0.2 - 0.5	-	0.1	0.1	0.03	0.003
Ash content	Mass %	< 0.1	-	0.25	0.05	0.03	0.002
Acid number	mgKOH/g	-	-	80	80	5	1

VISCOSITY VS TEMPERATURE CHART



A TEAM AT YOUR SERVICE

Our team is available to answer the diversity of applications and constraints related to your facilities
Contact: drtsales@drt.fr

DRT

A COMPANY OF THE FIRMENICH GROUP



R&D

Our technical expertise in working with raw materials allows for greater performance in the development of highly diversified products



CUSTOMERS

Constantly adapting our products to meet new industrial, technical and economic customers' needs



MANUFACTURING SITES

9 production sites across the world to ensure a reliable global supply chain



LOGISTICS PLATFORMS

Thanks to our international network, we are able to deliver the best of nature to our customers everywhere

www.drt.fr
drtsales@drt.fr

LES DÉRIVÉS RÉSINIQUES & TERPÉNIQUES - 30 Rue Gambetta - BP 90206 - 40105 DAX Cedex - FRANCE
email: drtsales@drt.fr - Phone: +33 (0)5 58 56 62 00 - Fax: +33 (0)5 58 56 62 40
A simplified joint-stock company with share capital of €19,961,200 - RCS Dax 985 520 154 00016

