



# Product compatibility rules and cleaning requirements for Special Fluids transportation

2023 edition



**TotalEnergies**

The present document defines product compatibility rules and cleaning requirements for road tankers and isocontainers, to ensure the preservation of TotalEnergies Fluids products. TotalEnergies Fluids declines all responsibility in case of pollution due to lack of enforcement of those rules.

Table 1 provides a list of products not compatible with Special Fluids regardless of cleaning procedure. For products not included in those lists, Table 2 indicates cleaning requirements depending of product families. Table 3 is a list of commercial references to identify their product family. Table 4 is decision tool for products not fitting with previous families.

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Table 1 Products strictly forbidden as previous cargo before Special Fluids  
**NOT COMPATIBLE EVEN AFTER CLEANING**

NAME	ALTERNATIVE NAME	OBSERVATIONS
ACRYLATE BITUMEN BENZENE LIQUID CHALK CRESOL WASTE LUBRICANT EXTRACT FURFURAL TAR FOOD GREASE (SHORTENING) USED OILS MOLASSES THIOL PARRAFINS, WAXES (except in emulsions) RESINS (except in emulsions) SILICON RADIOACTIVE MATERIALS	PLAXOLENE            Mercaptans	Forbidden according to French orders on ADR

Table 2 Cleaning matrix

Tankers loading the same product as previously loaded are only required to be emptied and dry, as an exception to following matrix.

For products belonging to several categories, most stringent cleaning procedure to be applied.

PRODUCT TO BE LOADED (see Table 3 for product family identification)	PREVIOUS PRODUCT IN THE TANK (see Table 3 for product family identification)																
	SPECIAL SPIRITS (GASOLINE)	WHITE SPIRITS - HT class	WHITE SPIRITS - TBT class	KEROSENES - TBT class	ISOPARAFFINS	AROMATICS except TOLUENE, XYLENE	TOLUENE & XYLENE	GASOIL TBT	PLAXOLENE - RAE & RAE based	PLAXOLENE - MES & TDAE	PLAXENE & BASE OILS	FLUXES	HEATING FLUIDS	FORMULATED PRODUCTS	BIO-SOURCED	PHARMA-GRADE PRODUCTS	
Maximum tank temperature before loading (°C)	30	30	30	30	30	30	30	30	-	-	-	-	30	30	30	30	
ACIDS & BASES (ex: SODA ASH)	L	L	L	L	L	L	L	L	L	L	L	L	E	L	L	L	L
ACETATE	L	L	L	L	L	I	L	L	L	L	L	L	E	L	L	L	L
ADDITIVES	L	L	L	L	L	L	L	L	L	L	L	L	E	L	L	L	L
AROMATICS except TOLUENE, XYLENE	L	E	L	L	L	E	L	L	L	L	L	L	E	L	L	L	L
OTHERS	SEE TABLE 4																
UNLEADED GASOLINE	L	L	L	L	L	L	L	L	L	L	L	L	E	L	L	L	L
SPECIAL SPIRITS, METHYLCYCLOHEXANE	O	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
ETHANOL, METHANOL	L	L	L	L	L	L	L	L	L	L	L	L	E	L	L	L	L
HEATING FLUIDS	L	O	O	O	L	O	L	O	L	L	L	L	E	O	L	L	L
HT & BT GASOIL, GREENFLUX SD	L	L	L	L	L	O	L	L	L	L	L	L	E	L	L	L	L
GASOIL TBT	L	L	L	O	L	O	L	O	L	L	L	L	E	O	L	L	L
GEMSEALS	L	L	L	O	L	O	L	O	L	L	L	L	E	O	O	L	L
ISOPARAFFINS	L	O	O	O	O	O	L	O	L	L	L	L	E	O	L	L	L
HT & BT KEROSENE	L	O	L	L	L	O	L	L	L	L	L	L	E	L	L	L	L
TBT KEROSENE, GREENFLUX 2000	L	O	O	O	L	O	L	O	L	L	L	L	E	O	L	L	L
MARINE DISPERSANTS	L	L	L	L	L	L	L	L	L	L	L	L	E	L	L	L	L
PLAXOLENE - RAE & RAE based	I	I	I	I	I	I	I	I	O	L	L	L	E	I	I	I	I
PLAXOLENE - MES & TDAE	I	I	I	I	I	I	I	I	O	O	O	E	I	I	I	I	I
PLAXENE & BASE OILS	L	L	L	L	L	L	L	L	O	O	O	E	L	L	L	L	L
TOLUENE & XYLENE, TOLUENE TDI EXCEPTED	L	O	L	L	L	O	L	L	L	L	L	L	E	L	L	L	L
TOLUENE TDI	L	O	L	L	L	O	O	L	L	L	L	L	E	L	L	L	L
WHITE SPIRITS - TBT class	L	O	O	O	L	O	L	L	L	L	L	L	E	O	L	L	L
WHITE SPIRITS - HT & BT classes	L	O	L	L	L	O	L	L	L	L	L	L	E	L	L	L	L

  

L	Cleaning, drying, tank odorless (cleaning certificate to be presented)
O	Empty & dry, odorless, no product traces (tanker logbook to be presented)
E	Empty & dry, no product traces (tanker logbook to be presented)
I	Forbidden

HAULIER is responsible before any loading for thorough draining and drying of the tanks, complete emptiness and perfect cleanliness of all tanks of the vehicle, pumps, compressors, collectors, external pipings, hoses. HAULIER is also responsible for compatibility check between the product to be loaded, and product previously loaded according to the matrix.





### Table 3 Identification matrix for TotalEnergies Fluids products

This list enables identification of our product with product families commonly found on the market.

Cleaning matrix is based on those product families.



	SPECIAL SPIRITS (GASOLINE)	WHITE SPIRITS - HT class	WHITE SPIRITS - TBT class	KEROSENES - TBT class	ISOPARAFFINS	AROMATICS except TOL, XYL.	TOLUENE & XYLENE	GASOIL TBT	PLAXOLENE - RAE & RAE based	PLAXOLENE - MES & TDAE	PLAXENE & BASE OILS	FLUXES	HEATING FLUIDS	FORMULATED PRODUCTS	BIO-SOURCED	PHARMA-GRADE PRODUCTS
ANTICOCHENILLES NOVA																
AQUALANE 100																
AQUALANE 100 EC																
AQUALANE 115																
AQUALANE 115 US																
AQUALANE 130																
AQUALANE 130 US																
AQUALANE 135																
AQUALANE 135 L																
AQUALANE 75																
AQUALANE 75 SFP																
AQUALANE 75 UK																
AQUALANE 80																
AQUALANE 95																
ARBOFINE																
AROMATIC EXTRACT 5																
BANOLE																
BANOLE 50																
BANOLE 60																
BANOLE EC																
BANOLE HE																
BANOLE HP																
BANOLE HV																
BANOLE US																
BASE OIL BERYLANE 270																
BERYLANE 200																
BERYLANE 210																
BERYLANE 230																
BERYLANE 230 SPP																
BERYLANE 235																
BERYLANE 250																
BERYLANE 255																
BERYLANE 260																
BERYLANE 265																
BERYLANE 266																
BERYLANE 270																
BERYLANE 275																
BERYLANE 300																
BERYLANE 310																



	SPECIAL SPIRITS (GASOLINE)	WHITE SPIRITS - HT class	WHITE SPIRITS - TBT class	KEROSENES - TBT class	ISOPARAFFINS	AROMATICS except TOL., XYL.	TOLUENE & XYLENE	GASOIL TBT	PLAXOLENE - RAE & RAE based	PLAXOLENE - MES & TDAE	PLAXENE & BASE OILS	FLUXES	HEATING FLUIDS	FORMULATED PRODUCTS	BIO-SOURCED	PHARMA-GRADE PRODUCTS
BERYLANE 315																
BERYLANE 320																
BERYLANE 335																
BERYLANE BIOLIFE 10																
BERYLANE BIOLIFE 25																
BERYLANE BIOLIFE 30																
BERYLANE BIOLIFE 40																
BLASTANE 12																
BLASTANE 2																
BLASTANE 4																
BLASTANE 5																
BLASTANE 8																
BLASTANE 8 LPP																
CATANE																
CERFA-KLEEN JP																
CITROLE																
CITROLE A																
CLERANE 10																
CLERANE 15																
CLERANE 180																
CLERANE 190																
CLERANE 20																
CLERANE 290																
CLERANE 30																
CLERANE 35																
CLERANE 45																
CLERANE 5																
CLERANE 70																
CLERANE 80																
CLERANE A130																
CLERANE A35																
CLERANE IP																
CYCLOHEXANE																

	SPECIAL SPIRITS (GASOLINE)	WHITE SPIRITS - HT class	WHITE SPIRITS - TBT class	KEROSENES - TBT class	ISOPARAFFINS	AROMATICS except TOL, XYL	TOLUENE & XYLENE	GASOIL TBT	PLAXOLENE - RAE & RAE based	PLAXOLENE - MES & TDAE	PLAXENE & BASE OILS	FLUXES	HEATING FLUIDS	FORMULATED PRODUCTS	BIO-SOURCED	PHARMA-GRADE PRODUCTS
EDC 170 SE																
EDC 200 SE																
EDC 95-11																
EDC 95-11 US																
EDC 99-DW																
EDC 99-DW US																
EDC BIOLIFE 250																
EDC DRILLYS																
EDC DRILLYS AQUA																
EDC MORE																
EFC CRYSTAL 180																
EFC CRYSTAL 200																
EFC CRYSTAL 205 ST																
EFC CRYSTAL 210																
EFC CRYSTAL 230																
EFC CRYSTAL 250																
EFC CRYSTAL 250 US																
ELIXORE 180																
ELIXORE 200																
ELIXORE 205																
ELIXORE 205 SFP																
ELIXORE 220																
ELIXORE 230																
ELIXORE 250																
EMOGREEN L15																
EMOGREEN L19																
EMOSMART C28																
EMOSMART L15																
EMOSMART L19																
EMOSMART V21																
EOLANE 130																
EOLANE 150																
EOLANE 150 US																
EOLANE 160																
EOLANE 170																
EOLANE FC 12																
EOLANE FC 6																
FG12																



	SPECIAL SPIRITS (GASOLINE)	WHITE SPIRITS - HT class	WHITE SPIRITS - TBT class	KEROSENES - TBT class	ISOPARAFFINS	AROMATICS except TOL., XYL.	TOLUENE & XYLENE	GASOIL TBT	PLAXOLENE - RAE & RAE based	PLAXOLENE - MES & TDAE	PLAXENE & BASE OILS	FLUXES	HEATING FLUIDS	FORMULATED PRODUCTS	BIO-SOURCED	PHARMA-GRADE PRODUCTS
FG6																
FG7																
FINASOL OSR 51																
FINASOL OSR 52																
FINAVESTAN EMA																
FLUID 7500																
FLUID 9285																
FLUID D 115																
FLUID D 120																
FLUID D 122																
FLUID D 130																
FLUID D 132																
FLUID D 135																
FLUID D 140																
FLUID D 145																
FLUID D 150																
FLUID D 160																
FLUID D 170																
FLUID D 200																
FLUID HEFA																
FLUID HVO																
FLUID GENERA 12																
FLUID GENERA 46																
FLUID GENERA 6																
FLUID GENERA 712																
FLUID GENERA 9																
FLUID RP-1																
GEMSEAL 120																
GEMSEAL 25																
GEMSEAL 40																
GEMSEAL 60																
GEMSEAL BIOLIFE 15																
GEMSEAL BIOLIFE 16																
GEMSEAL BIOLIFE 18																
GENERA EC																
GREENFLUX 2000																
GREENFLUX 3000																
GREENFLUX SD																

	SPECIAL SPIRITS (GASOLINE)	WHITE SPIRITS - HT class	WHITE SPIRITS - TBT class	KEROSENES - TBT class	ISOPARAFFINS	AROMATICS except TOL., XYL.	TOLUENE & XYLENE	GASOIL TBT	PLAXOLENE - RAE & RAE based	PLAXOLENE - MES & TDAE	PLAXENE & BASE OILS	FLUXES	HEATING FLUIDS	FORMULATED PRODUCTS	BIO-SOURCED	PHARMA-GRADE PRODUCTS
HYDROSEAL BIOLIFE 260																
HYDROSEAL BIOLIFE 290																
HYDROSEAL G 232 H																
HYDROSEAL G 232 HL																
HYDROSEAL G 240 H																
HYDROSEAL G 250 H																
HYDROSEAL G 250 HL																
HYDROSEAL G 285 H																
HYDROSEAL G 285 HL																
HYDROSEAL G 290 H																
HYDROSEAL G 3 H																
HYDROSEAL G 300 H																
HYDROSEAL G 340 H																
HYDROSEAL G 400 H																
HYDROSEAL HY																
ISANE BIOLIFE 15																
ISANE BIOLIFE 1518																
ISANE BIOLIFE 56																
ISANE BIOLIFE 58																
ISANE BIOLIFE 78																
ISANE IP 100																
ISANE IP 140																
ISANE IP 175																
ISANE IP 185																
KERDANE																
KERDANE D 75																
KERDANE D PLUS																
KERDANE HN																
KEROIL																
KETRUL 211																
KETRUL 220																
KETRUL D 100																
KETRUL D 70																
KETRUL D 75																
KETRUL D 75 HN																
KETRUL D 75 UK																
KETRUL D 75 US																
KETRUL D 80																
KETRUL D 80 HN																

	SPECIAL SPIRITS (GASOLINE)	WHITE SPIRITS - HT class	WHITE SPIRITS - TBT class	KEROSENES - TBT class	ISOPARAFFINS	AROMATICS except TOL., XYL.	TOLUENE & XYLENE	GASOIL TBT	PLAXOLENE - RAE & RAE based	PLAXOLENE - MES & TDAE	PLAXENE & BASE OILS	FLUXES	HEATING FLUIDS	FORMULATED PRODUCTS	BIO-SOURCED	PHARMA- GRADE PRODUCTS
KETRUL D 80 L																
KETRUL D 85																
KETRUL D 90																
KETRUL D 95																
KETRUL D 95 HN																
LUBRILAM BIO 40																
LUBRILAM S 20 L																
LUBRILAM S 23 L																
LUBRILAM S 30 L																
LUBRILAM S 31 L																
LUBRILAM S 40 L																
LUBRILAM S 47 L																
LUBRILAM S 50 L																
LUBRILAM S 52 L																
LUBRILAM S 55 L																
LUBRILAM S 60 L																
ORTHO-XYLENE																
OVISPRAY																
PLAXENE 1100 R																
PLAXENE WO 15 M																
PLAXENE WO 68 M																
PLAXOLENE 25																
PLAXOLENE 50																
PLAXOLENE 50 P																
PLAXOLENE 50 R																
PLAXOLENE 50 SRD																
PLAXOLENE 70																
PLAXOLENE MES 150																
PLAXOLENE MS 132																
PLAXOLENE MS 150																
PLAXOLENE TD 346																
PX 6090 ZH																
RUBANE 40																
RUBANE 70																
SCRIPTANE BIOLIFE 25/27																
SCRIPTANE BIOLIFE 26/29																
SCRIPTANE BIOLIFE 29/33																
SCRIPTANE CE 4																
SCRIPTANE CE 5																

	SPECIAL SPIRITS (GASOLINE)	WHITE SPIRITS - HT class	WHITE SPIRITS - TBT class	KEROSENES - TBT class	ISOPARAFFINS	AROMATICS except TOL., XYL.	TOLUENE & XYLENE	GASOIL TBT	PLAXOLENE - RAE & RAE based	PLAXOLENE - MES & TDAE	PLAXENE & BASE OILS	FLUXES	HEATING FLUIDS	FORMULATED PRODUCTS	BIO-SOURCED	PHARMA-GRADE PRODUCTS
SCRIPTANE CE 6																
SCRIPTANE NW 50																
SCRIPTANE PW 24/27 H																
SCRIPTANE PW 25/28 H																
SCRIPTANE PW 25/28 HL																
SCRIPTANE PW 25/33 H																
SCRIPTANE PW 26/29 HL																
SCRIPTANE PW 28/32 H																
SCRIPTANE PW 30/35 H																
SOLANE 100-120																
SOLANE 100-140 HN																
SOLANE 100-155																
SOLANE 100-155 K																
SOLANE 100-160																
SOLANE 60-95																
SOLANE 70-95																
SOLANE 80-110																
SOLANE 89-112 DP																
SOLANE CYCLOPENTANE																
SOLANE HEPTANE																
SOLANE HEXANE																
SOLANE HEXANE 45																
SOLANE ISOHEXANE																
SOLANE MCH																
SOLANE METHYLCYCLOHEXANE																
SOLANE N-HEPTANE HP																
SOLANE N-HEXANE HP 98																
SOLANE N-HEXANE HP 99																
SOLANE PENTANE 15																
SOLVAREX 10																
SOLVAREX 10 A																
SOLVAREX 10 LN																
SOLVAREX 10/13 LN																
SOLVAREX 150																
SOLVAREX 9																
SOLVAREX 9 A																
SOLVIR																
SPIRDANE D 15-VM&P																
SPIRDANE D 15-VM&P NR																

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SPIRDANE D 25																
SPIRDANE D 30																
SPIRDANE D 40																
SPIRDANE D 40 - 66																
SPIRDANE D 40 EU																
SPIRDANE D 45																
SPIRDANE D 60																
SPIRDANE D 60 - 142																
SPIRDANE D 60 EU																
SPIRDANE D 60 HL																
SPIRDANE D 60 HN																
SPIRDANE D 60 L																
SPIRDANE HT																
SPIRDANE K2																
SPIRDANE L1																
TDC																
TOLUENE																
TOLUENE FAO																
TOLUENE PH																
TOLUENE TDI																
VELEZIA																
XYLENE ASTM																

Nota:

- HT White Spirits have an aromatic content exceeding 10%;
- TBT White Spirits, Kerosines and Gasoil have an aromatic content below 1%;
- “HVO” includes products manufactured from hydrotreated vegetable oils.

Table 4

Decision tool for product not included in previous families

**PRODUCT PREVIOUSLY LOADED**

