

Tableau

PCF Application relies on 2 workbooks published on [Tableau Cloud](#), and available to a selection of Syensqo's Users as per security requirements specified prior.

This document aims at navigating the data source panel as well as knowing how to reach underlying data from the source. But also, outline all computed elements on each dashboard currently available on all Tableau servers projects:

[PCF - Product Carbon Footprint](#)

[PCF - Carbon Footprint - UAT](#)

[PCF - Product Carbon Footprint - DEV](#)

1. Data connection

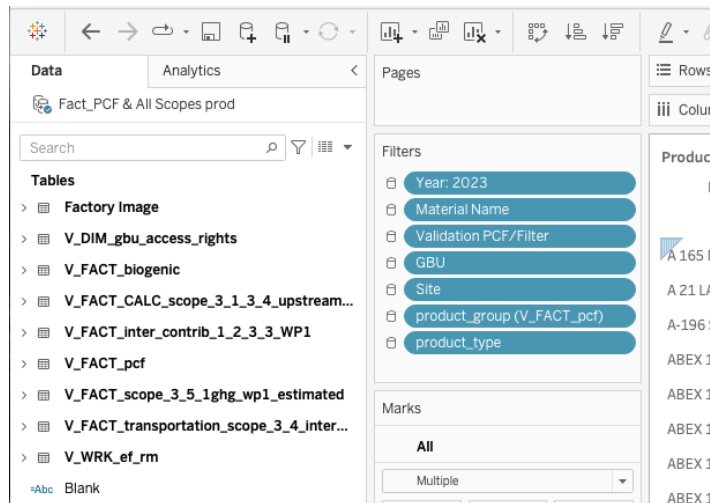
a. Service Account

While dashboards can have a User as project or workbook owner. Connection and extraction of data from Google big query will always be used from a dedicated Service account. Credentials need to be requested to and granted by CloudOps team.

These credentials will allow connection and data extraction from each GCP projects and are available on [Google Drive](#).

b. Data Source Panel

Tableau workbook will only extract data from Google Big Query following the same model for all dashboards and each data source as seen below:



2. PCF - Product Carbon Footprint Advanced Workbook

a. Product List dashboard



Year: 2024 | GBU: (All) | Site: (Multiple values) | Product Group: (All) | Material Name: (All) | Complex / Simple product type: (All) | Review Status: Validated (PCF only)

355 Commercial products / 639 Finished materials displayed (639 validated, 0 rejected)

Show quality KPIs

Export Data

Material Name	Commercial Product	GBU	Site	Year	PCF Excl. Biog. (kgCO2e/kg)	PCF scopes distribution	Renewable Carbon Index	Validation	Quality KPIs
ABEX EP 120 BR 1000KG IBC	ABEX EP 120 BR	NOVECARE	ITATIBA	2024	2.91		RCI - 0.0%		
ABEX EP 120 BR BULK	ABEX EP 120 BR	NOVECARE	ITATIBA	2024	2.91		RCI - 0.0%		
ACCO-PHOS 800 1000KG 2205...	ACCO-PHOS* 800 HEAVY ...	TECHNOLOGY SOLUTIONS	NIAGARA	2024	5.62				
ACCO-PHOS 800 BULK	ACCO-PHOS* 800 HEAVY ...	TECHNOLOGY SOLUTIONS	NIAGARA	2024	5.61				
AERO 8230CN 1000KG 2205LB...	AERO* 8230CN PROMOTER	TECHNOLOGY SOLUTIONS	NIAGARA	2024	5.62				
AEROPHINE 3418A 1000KG 22...	AEROPHINE* 3418A PRO...	TECHNOLOGY SOLUTIONS	NIAGARA	2024	5.62				
AEROPHINE 3418A 20KG 44LB...	AEROPHINE* 3418A PRO...	TECHNOLOGY SOLUTIONS	NIAGARA	2024	5.62				
AEROPHINE 3418A 227KG 500...	AEROPHINE* 3418A PRO...	TECHNOLOGY SOLUTIONS	NIAGARA	2024	5.62				
AEROSOL OT-100 SURF 11KG ...	AEROSOL* OT-100 SURFA...	NOVECARE	WILLOW ISLD, WV	2024	4.41		RCI - 0.0%		
AEROSOL OTS 440LB (199-583...	AEROSOL* OT-S SURFACT...	NOVECARE	WILLOW ISLD, WV	2024	2.97		RCI - 0.0%		
AEROSOL TR-70 SUR 440LB (1...	AEROSOL* TR-70 SURFAC...	NOVECARE	WILLOW ISLD, WV	2024	3.19		RCI - 17.7%		
AEROSOL TR70 INTERMEDIATE	AEROSOL* TR-70 SURFAC...	NOVECARE	WILLOW ISLD, WV	2024	3.19		RCI - 17.7%		
AEROSOL* SPA-55 SURFACTA...	AEROSOL* SPA-55 SURFA...	NOVECARE	ZHENJIANG	2024	5.53		RCI - 0.0%		
AEROSOL* SPA-55 SURFACT...	AEROSOL* SPA-55 SURFA...	NOVECARE	ZHENJIANG	2024	5.53		RCI - 0.0%		
AGRHO DR 2000 50LB BAG	AGRHO DR 2000	NOVECARE	VERNON, TX	2024	2.33		RCI - 79.0%		
AGRHO DR 2000 BLEND	AGRHO DR 2000	NOVECARE	VERNON, TX	2024	2.33		RCI - 79.0%		
AGRHO N25 PROTECT TECH ...	AGRHO N25 PROTECT TECH	NOVECARE	MELLE	2024	6.90		RCI - 0.0%		
AGRHO S BOOST ELX EU 1100 ...	AGRHO S BOOST ELX EU	NOVECARE	MELLE	2024	1.70		RCI - 54.7%		
AGRHO S BOOST ELX EU 27 KG...	AGRHO S BOOST ELX EU	NOVECARE	MELLE	2024	1.70		RCI - 54.7%		
ALKAMULS BS - GRANEL	ALKAMULS BS	NOVECARE	TABOAO DA SERRA	2024	6.20		RCI - 82.3%		
ALKAMULS EGD5 BR 20KG BAG	ALKAMULS EGD5 BR	NOVECARE	TABOAO DA SERRA	2024	6.44		RCI - 92.7%		
ALKAMULS OE-01 850KG IBC	ALKAMULS OE-01	NOVECARE	TABOAO DA SERRA	2024	1.57		RCI - 88.5%		

Process Scope 1 NRJ Scope 2 Scope 3.3 Raw Material Transport Raw Materials Internal Transport Waste

b. Product List Calculated fields

Please refer to the document:

c. Biogenic dashboard



Year: (Multiple values) | GBU: (All) | Site: (All) | Product Group: (Multiple values) | Commercial Product: (All) | Material Name: (All) | Complex / Simple product type: (All) | Biogenic validation: (All)

4,063 Commercial products / 8,162 Finished materials displayed (2,780 validated, 1,308 rejected)

Material Name	Commercial Product	GBU	Site	Year	CO2 Removals (kg CO2/kg)	Biogenic Validation	BCC (kg C/kg)	TCC (kg C/kg)	RCI	Renewable Carbon Index (%)
AERO 8231CN 1140KG 2513LB M...	AERO® 8231CN PROM...	TECHNOLOGY SOLUTIONS	PCF_EXCLUDED_PL...	2023	Null	-	Null	Null	Null	
AERO MX-7021 BULK	AERO® MX-7021 PROM...	TECHNOLOGY SOLUTIONS	PCF_EXCLUDED_PL...	2023	Null	-	Null	Null	Null	
AERO MX-7021 BULK	AERO® MX-7021 PROM...	TECHNOLOGY SOLUTIONS	PCF_EXCLUDED_PL...	2024	Null	-	Null	Null	Null	
AERO MX-7021 REACTOR LEVEL	AERO® MX-7021 PROM...	TECHNOLOGY SOLUTIONS	ATEQUIZA	2023	Null	-	Null	Null	Null	
AERO MX-7021 REACTOR LEVEL	AERO® MX-7021 PROM...	TECHNOLOGY SOLUTIONS	ATEQUIZA	2024	Null	-	Null	Null	Null	
CYFLOC HX-600 INTERMEDIATE	CYFLOC® HX-600 FLOCC...	TECHNOLOGY SOLUTIONS	MAP TA PHUT	2024	Null	-	Null	Null	Null	
?DERMALCARE MAP L 213 K 1000...	DERMALCARE MAP L 2...	NOVECARE	ZHENJIANG	2022	0.4821	-	0.1316	0.1550	84.87%	
(RR) METHYL DUPHOS:BOTT:250...	(R,R) METHYL DUPHOS	TECHNOLOGY SOLUTIONS	OLDBURY	2022	Null	-	Null	Null	Null	
(RR) METHYL DUPHOS:BOTT:250...	(R,R) METHYL DUPHOS	TECHNOLOGY SOLUTIONS	OLDBURY	2023	Null	-	Null	Null	Null	
(RR) METHYL DUPHOS:BOTT:250...	(R,R) METHYL DUPHOS	TECHNOLOGY SOLUTIONS	OLDBURY	2024	Null	-	Null	Null	Null	
2-METHYLGUTARONITRILE (MG...	DISTILLED MGN	NOVECARE	CLAMECY	2022	0.0000	-	0.0000	0.5446	0.00%	
2-METHYLGUTARONITRILE (MG...	DISTILLED MGN	NOVECARE	MELLE	2025	0.0000	-	0.0000	0.7024	0.00%	
A 1112 DIST VIA TRI @TRF	ALGOFRENE 1112S	SPECIALTY POLYMERS	SPINETTA	2023	Null	-	Null	Null	Null	
A 165 MODIFIED BULK	A 165 MODIFIED	NOVECARE	WINDER, GA	2022	1.8125	✓	0.4947	0.7027	70.40%	
A 165 MODIFIED BULK	A 165 MODIFIED	NOVECARE	WINDER, GA	2023	1.8125	✓	0.4947	0.6909	71.60%	
A 165 MODIFIED BULK	A 165 MODIFIED	NOVECARE	WINDER, GA	2024	1.8125	✓	0.4947	0.6909	71.60%	
A 165 MODIFIED BULK	A 165 MODIFIED	NOVECARE	WINDER, GA	2025	1.8118	-	0.4945	0.6907	71.60%	
A 21 LA BULK	A 21 LA	NOVECARE	WINDER, GA	2022	2.0462	-	0.5584	0.8046	69.41%	
A 21 LA BULK	A 21 LA	NOVECARE	WINDER, GA	2023	2.0840	✓	0.5688	0.7607	74.77%	
A 21 LA BULK	A 21 LA	NOVECARE	WINDER, GA	2024	2.0660	✓	0.5639	0.7585	74.34%	
A 21 LA BULK	A 21 LA	NOVECARE	WINDER, GA	2025	2.0452	-	0.5582	0.7559	73.85%	
A-1846 INTERMEDIATE	A-1846	TECHNOLOGY SOLUTIONS	WILLOW ISLD, WV	2022	Null	-	Null	Null	Null	
A-1846 INTERMEDIATE	A-1846	TECHNOLOGY SOLUTIONS	WILLOW ISLD, WV	2023	Null	-	Null	Null	Null	
A-1846 INTERMEDIATE	A-1846	TECHNOLOGY SOLUTIONS	WILLOW ISLD, WV	2024	Null	-	Null	Null	Null	
A-196 SULFONATION INTERMEDI...	AEROSOL® A-196 80%...	NOVECARE	WILLOW ISLD, WV	2022	0.0000	-	0.0000	0.4064	0.00%	

d. Biogenic Calculated fields

Please refer to the document:

e. Breakdown dashboard



Last Update 9/6/2024 5:02:05 AM

Year: 2023 | Commercial Product: (All) | Material Code: (All) | Material Name: (All)

GBU: (All) | Site: (All) | Scope: (All) | Type: (All)

Product Carbon Footprint (kgCO2e/kg)

Material Name	Site	PCF (kgCO2/kg)	% mapped Raw Mat
A 165 MODIFIED BULK	WINDER, GA	7.04	100%
A 21 LA BULK	WINDER, GA	7.33	100%
A-196 SULFONATION INTER...	WILLOW ISLD, WV	2.24	100%
ABEX 165 450LB OHP	BALTIMORE, MD	1.10	37%
ABEX 18 S 460LB CHP	BALTIMORE, MD	1.16	100%
ABEX 18 S BULK	BALTIMORE, MD	1.12	100%
ABEX 18 S MBA 2200LB TO...	BALTIMORE, MD	1.24	100%
ABEX 18 S MBA BULK	BALTIMORE, MD	1.17	100%
ABEX 2005 2200 TT	BLUE ISLAND, IL	0.74	100%
ABEX 2005 460 LB OHP	BLUE ISLAND, IL	0.74	100%
ABEX 2005 BULK	BLUE ISLAND, IL	0.74	100%
ABEX 2005 MBA 460LB CHP	BLUE ISLAND, IL	0.74	100%
ABEX 2005 MBA BULK	BLUE ISLAND, IL	0.74	100%
ABEX 2020 2200 TOTE	BALTIMORE, MD	1.07	100%
ABEX 2020 460LB CHP	BALTIMORE, MD	1.05	100%
ABEX 2020 BULK	BALTIMORE, MD	1.00	100%
ABEX 2115 A 2200 TOTE	BALTIMORE, MD	1.38	100%
ABEX 2115 A BULK	BALTIMORE, MD	1.33	100%
ABEX 23 S 460LB CHP	BALTIMORE, MD	2.90	100%
ARFX 23 S RUII K	RAI TIMORF, MD	2.79	100%



Raw Materials: A 165 MODIFIED BULK / WINDER, GA WPI_400/41258

7.043 PCF Final | 6.569 Raw Materials | 100% % mapped RawMat

Intermediates: Show / Hide | Export Data

Level	Interm. Prod. Plant	Interm. Prod. Name	Raw Mat.	Source	RM Contribution In FP PCF 3.1 Standard
1	7424 Winder	A 165 MODIFIED BULK	AQUEOUS DMAPA DISTILLATE BULK BYPRODUCT	Ecolnvent_3.9.1_IPCC_20..	0.000
			COCONUT OIL HYDROGENATED BULK	SimaPro_2023_08. Fatty acid [ID&MY] fatty acid p...	5.253
			DIMETHYLAMINOPROPYLAMINE BULK	Ecolnvent_3.9.1_IPCC_20..	1.392
			SODIUM METHYLATE DRY 100KG DR	Ecolnvent_3.9.1_IPCC_20..	0.000
			SODIUM METHYLATE POWDER 114 KG DR	Ecolnvent_3.9.1_IPCC_20..	0.014



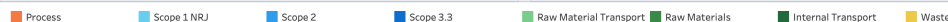
Last Update 10/6/2025 3:31:46 PM

Year: (Multiple values) | Commercial Product: (All) | Material Code: (All) | Material Name: (All)

GBU: (All) | Site: (All) | Scope: (All) | Validation: Validated (PCF only)

Product Carbon Footprint (kgCO2e/kg)

Material Name	Site	Year	PCF (kgCO2/kg)	% Raw Material Mapped
CYPURE NPG 50L P632 22.0K...	NIAGARA	2024	35.89	100%
CYPURE LIN 44L P632 18.1K...	NIAGARA	2024	35.89	100%
CYPURE CYT 49L ST 632 22.0...	NIAGARA	2024	35.89	100%
CYPURE MATH ATMI 49L P63...	NIAGARA	2024	35.89	100%
CYPURE NPG 50L PDIN 22.0K...	NIAGARA	2024	35.89	100%
CYPURE LIN TWN 44L P632 1...	NIAGARA	2024	35.89	100%
CYPURE LIN TWNEP 44L 632 ...	NIAGARA	2024	35.88	100%
CYPURE LIN TWN 44L P632 1...	NIAGARA	2024	35.88	100%
CYPURE CYT 49L ST 632 18.1...	NIAGARA	2024	35.88	100%
CYPURE VM 44L ST 632 19.0...	NIAGARA	2024	35.88	100%
CYPURE LIN 44L 632 19.5KG ...	NIAGARA	2024	35.88	100%
CYPURE MATH 44L 632 19.5...	NIAGARA	2024	35.88	100%
CYPURE MATH 44L P632 18...	NIAGARA	2024	35.88	100%
CYPURE CYT 44L ST 632 19.5...	NIAGARA	2024	35.88	100%
VAPORPHOS 49L 21.999KG ...	NIAGARA	2024	33.62	100%
CYTOP 1 22KG 48.5LB ST CY	NIAGARA	2024	33.60	100%
PK KT-880 NL*AQ	AUGUSTA, GA	2024	32.11	99%
PK KT-810P*AQ C300B8 P	AUGUSTA, GA	2024	31.93	100%
PK KT-880 SFP CA12.5 P300	AUGUSTA, GA	2024	31.76	99%
PK KT-880 FP CA12.5 P300	AUGUSTA, GA	2024	31.55	100%



Raw Materials: CYPURE NPG 50L P632 22.0KG 48.5LB / NIAGARA WP2_400/154020

35.886 PCF Final | 23.60 Raw Materials | 100% % mapped RawMat

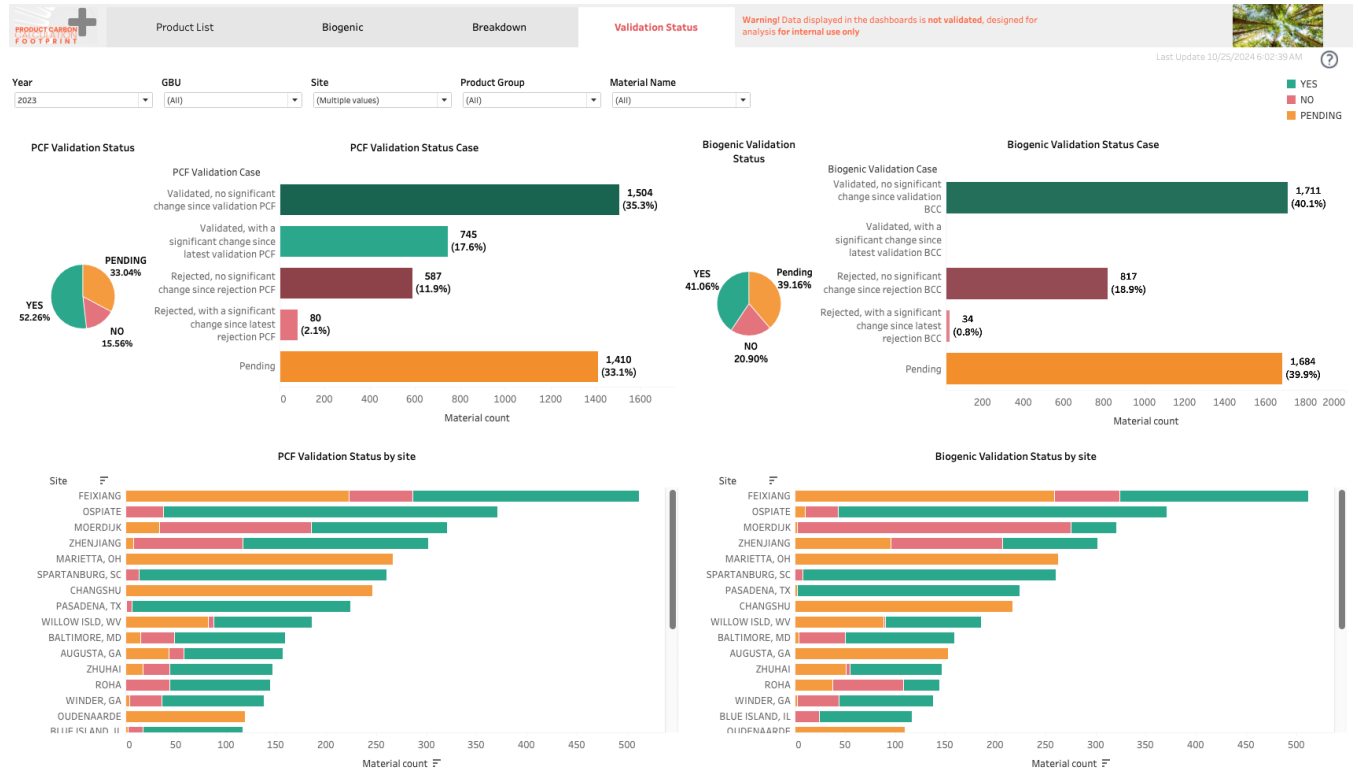
Intermediates: Show / Hide

Level	Interm. Prod. Plant	Interm. Prod. Name	Raw Mat.	Source EF	Contribution
3	7752 Niagara Falls	PHOSPHINE IN TERMEDIATE	PHOSPHORIC ACID 100% SO...	Ecolnvent	2.631
			PHOSPHORUS BULK	Supplier data	26.235

f. Breakdown Calculated fields

Please refer to the document:

g. PCF validation status overview



h. PCF Validation status Calculated fields

Please refer to the document:

I. Raw Materials

Year: 2024 | GBU: (All)

Source System	Calendar Year	Company Zone Name	Plant Site Name	Material Product Code	Material Product Name	Material Value Chain Pur Name	Material Code	Material
PF2_020	2024	APAC	CHANGSHU	112020	VINYLDENE FLUORIDE	OTHER / SYENSQO PRODUCT	175713	VF2 *TA CYL30MI
PF2_020	2024	APAC	CHANGSHU	112020	VINYLDENE FLUORIDE	OTHER / SYENSQO PRODUCT	204954	VF2 EX*CZ
PF2_020	2024	APAC	CHANGSHU	112020	VINYLDENE FLUORIDE	OTHER / SYENSQO PRODUCT	204954	VF2 EX*CZ
PF2_020	2024	APAC	CHANGSHU	112021	CHLORODIFLUOROETHANE (R-142)	MINERAL / FLUORO+BROMO+IODC	58062	S142b *CZ
PF2_020	2024	APAC	CHANGSHU	112021	CHLORODIFLUOROETHANE (R-142)	MINERAL / FLUORO+BROMO+IODC	58062	S142b *CZ
PF2_020	2024	APAC	CHANGSHU	112021	CHLORODIFLUOROETHANE (R-142)	MINERAL / FLUORO+BROMO+IODC	58062	S142b *CZ
PF2_020	2024	APAC	CHANGSHU	112021	CHLORODIFLUOROETHANE (R-142)	MINERAL / FLUORO+BROMO+IODC	58062	S142b *CZ
PF2_020	2024	APAC	CHANGSHU	130007	BISPHENOL AF	CRUDE OIL / AROMATIC	109025	BISPHENOL AF *I
PF2_020	2024	APAC	CHANGSHU	145015	MAGNESIUM STEARATE	OTHER / TAIL END RAW MATERIAL	106959	MAGNESIUM STE
PF2_020	2024	APAC	CHANGSHU	170000	OTHER COLORANT	MINERAL / METAL COMPOUND	206640	PIGM - RED 265 C
PF2_020	2024	APAC	CHANGSHU	200004	POLYETHYLENE (PE)	CRUDE OIL / ALIPHATIC / C2	109565	HDPE YGH041 * S
PF2_020	2024	APAC	CHANGSHU	200008	POLYPHENYLSULPHIDE (PPS)	OTHER / GROUP PRODUCT #	208480	NHU 3470 PPS * I
PF2_020	2024	APAC	CHANGSHU	200008	POLYPHENYLSULPHIDE (PPS)	OTHER / GROUP PRODUCT #	208482	NHU 3450 PPS * I
PF2_020	2024	APAC	CHANGSHU	200008	POLYPHENYLSULPHIDE (PPS)	OTHER / GROUP PRODUCT #	208482	NHU 3450 PPS * I
PF2_020	2024	APAC	CHANGSHU	200008	POLYPHENYLSULPHIDE (PPS)	OTHER / GROUP PRODUCT #	208483	NHU 3418 PPS * I
PF2_020	2024	APAC	CHANGSHU	200008	POLYPHENYLSULPHIDE (PPS)	OTHER / GROUP PRODUCT #	208645	NHU 3490 PPS * I
PF2_020	2024	APAC	CHANGSHU	200039	CO-POLYMER CTFE+VDF	MINERAL / FLUORO+BROMO+IODC	109026	VDF/CTFE COPOL
PF2_020	2024	APAC	CHANGSHU	200039	CO-POLYMER CTFE+VDF	MINERAL / FLUORO+BROMO+IODC	109026	VDF/CTFE COPOL
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE)	MINERAL / FLUORO+BROMO+IODC	106045	PTFE-VIRGIN GR/
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE)	MINERAL / FLUORO+BROMO+IODC	106045	PTFE-VIRGIN GR/
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE)	MINERAL / FLUORO+BROMO+IODC	106045	PTFE-VIRGIN GR/
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE)	MINERAL / FLUORO+BROMO+IODC	107928	PTFE-PRESINTER
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE)	MINERAL / FLUORO+BROMO+IODC	109783	PTFE-VIRGIN PAS
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE)	MINERAL / FLUORO+BROMO+IODC	109783	PTFE-VIRGIN PAS
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE)	MINERAL / FLUORO+BROMO+IODC	109783	PTFE-VIRGIN PAS
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE)	MINERAL / FLUORO+BROMO+IODC	109783	PTFE-VIRGIN PAS
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE)	MINERAL / FLUORO+BROMO+IODC	109783	PTFE-VIRGIN PAS

J. Bom Balance

Finish Product: (All) | Plant: (All) | Site: (All) | GBU: (All) | Reference Year: 2024 | YoY BOM variation: -3.58 to 24.66

Finish Product	Site	Previous Year	Reference Year	YoY variation
AQUIVION® G+ 165R/009.111 15KG BOX	CLAMECY	0.00%	24.66%	24.66
PPS XES000NA 020 S25 P1000	OUDENAARDE	0.00%	3.82%	3.82
PPS R-3-410BL L2T S25 P1000	OUDENAARDE	0.00%	3.80%	3.80
PK AV-651 GS30 BG 355-3 S25 P1000	CHANGSHU	0.00%	3.62%	3.62
PPSU R-7800 BG 354-8 S25 P1000	CHANGSHU	0.00%	3.52%	3.52
PPSU R-7800 GY 384-1 S25 P1000	CHANGSHU	0.00%	3.38%	3.38
PPSU R-7800 WH 341-2 S25 P1000	CHANGSHU	0.00%	3.38%	3.38
CONC-BLK QA200 AROSPERSE 11W S25 P10...	KALLO-BEVEREN	0.00%	3.31%	3.31
CONC-BLK QA200 AROSPERSE 11W	KALLO-BEVEREN	0.00%	3.31%	3.31
PPSU R-7800 BG 354-1 S25 P1000	CHANGSHU	0.00%	3.26%	3.26
PPS R-4-270BL	AUGUSTA, GA	0.00%	3.17%	3.17
PVDF 1008/1001<S>*TA C5500 45MVSJH CB8 P	TAVAUX	0.00%	2.89%	2.89
PVDF 6012/1001 *TA C5400 45MVSJH CB8 P	TAVAUX	0.00%	2.88%	2.88
PVDF 6020/1001 *TA C5500 P500PEQH H	TAVAUX	0.00%	2.86%	2.86
PVDF 6012/1001*TA O/W	TAVAUX	0.00%	2.86%	2.86
PVDF 1011/0001 *TA C1000BP P H	TAVAUX	0.00%	2.86%	2.86
PVDF 1010/0001S *TA F125CN P501	TAVAUX	0.00%	2.85%	2.85
PVDF 1010/0001<S>*TA F125CN P500	TAVAUX	0.00%	2.85%	2.85
PVDF 1015/1001 *TA F50CN P200PEQH H	TAVAUX	0.00%	2.84%	2.84

Level	Interm. Product	Previous Year UF	Reference Year	YoY variation
1	AQUIVION® G+ 165R/009.111 15KG BOX	0.00%	24.66%	24.66

Level	Raw Mat.	Previous Year	Reference Year	YoY variation
1	PEEK KT820FP CA12.5 P300	0.00%	0.00%	0.00
	PEEK KT-820 SFP CA12.5 P300	0.00%	0.83%	0.83
	POTASSIUM HYDROXIDE 25KG BAG	0.00%	0.01%	0.01
	POTASSIUM HYDROXIDE 30% 1300KG IBC	0.00%	0.46%	0.46
	SULFURIC ACID 80% 920KG IBC	0.00%	5.42%	5.42
	SULFURIC ACID 96% 1110KG IBC	0.00%	17.95%	17.95

K. Bom Balance Calculated fields

Please refer to the document:

L. Emission Changes

PRODUCT CARBON FOOTPRINT

Product L... Biogenic Breakdo... Raw Materi... Validation St... BOM Balance... Emission Cha... Warning! Data displayed in the dashboards is not validated, designed for analysis for internal use only

Last Update 10/6/2025 3:31:46 PM

Finish Product: (All) Gbu: (All) Site: (All)

Contribution Last Year	
Finish Product Name	Contribution
AERO 8231CN 1140KG 2513LB MX IBC	0.00
AERO MX-7021 BULK	1.76
AERO MX-7021 REACTOR LEVEL	1.73
BIO VANILLINE BRUTE BULK	0.00
CYFLOC HX-600 INTERMEDIATE	0.11
RHOVANIL BTR BOX 25KG / PAL 600KG	0.00
RHOVANIL US NAT - BOX 1KG	0.00
2-METHYLGUTARONITRILE (MGN) BULK	0.00
4051 X FUT METAL 180 KG	5.63
4070X 930KG IBC	4.64
?DERMALCARE MAP L 213 K 1000KG IBC	0.00
(RR) METHYL DUPHOS:BOTT:250G:NP	359.25
*FENTACARE 2231 EF 85.5KG OH PLAS DR(CN)	0.00
*O*FENTACARE DHT21 EV 75 50KG PLAS DR(CN)	0.00
*O*FENTACARE DHT21 EV 77 175KG MET DR(CN)	0.00
*O*FENTAMINE SDA001 STA001 CRUDE BULK(CN)	0.00
*OB*FENTACARE 1227 80PG 200KG PLAS DR(CN)	0.00
A 21 LA BULK	10.07

Contribution previous years by scope					
Finish Product Name	Scope	Contribution Diff Last year Vs Two years	Contribution Last Year	Contribution Two Years Ago	
(RR) METHYL DUPHOS:BOTT:250G:NP	Raw Material Transport	0.00	0.00	0.00	
	Raw Materials	328.34	359.25	34.00	

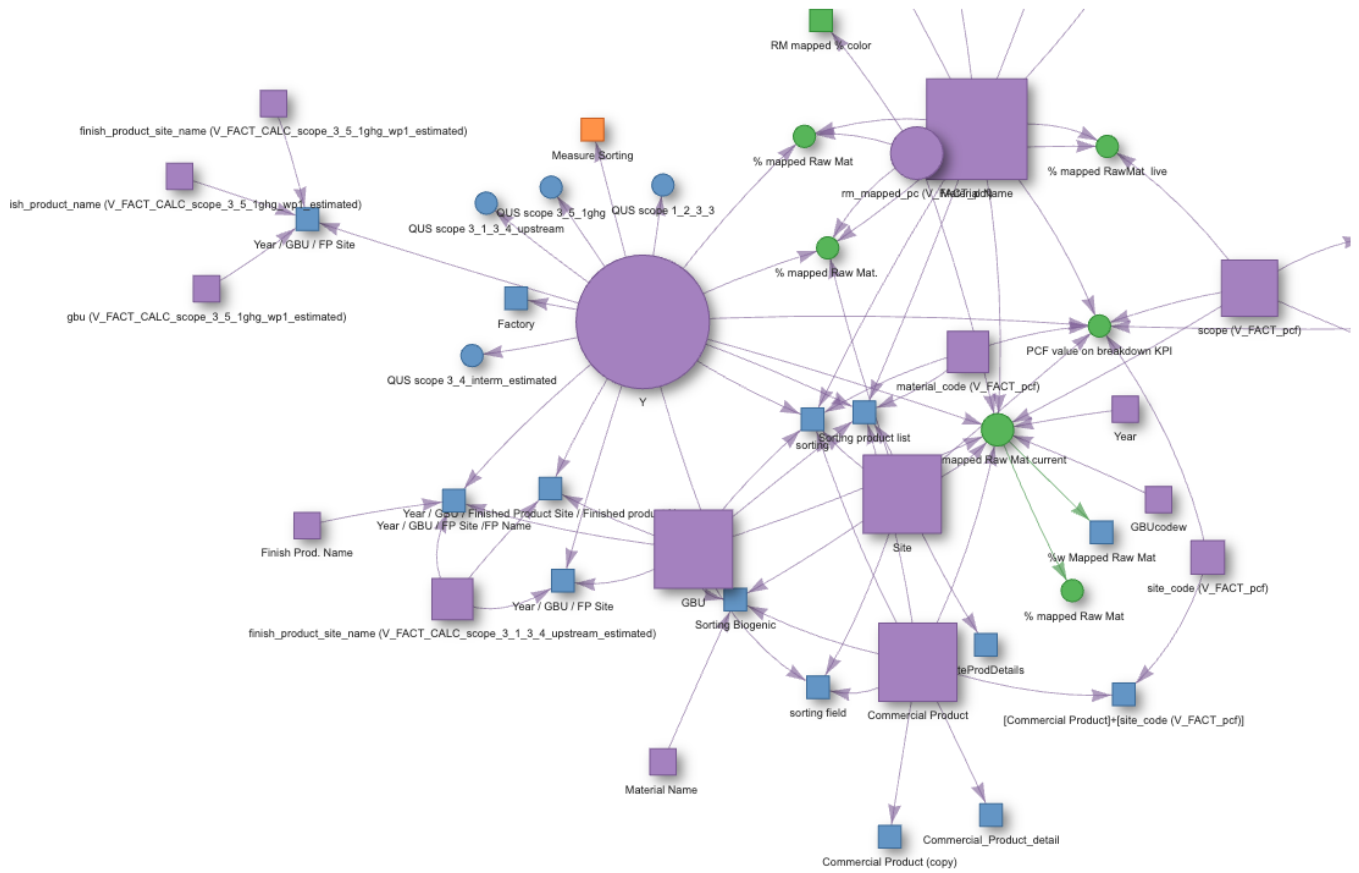
Contribution/Emission previous years												
Finish Product Name	Intermediate Product Plant Name	Scope	Sub Scope	Scope Contributor	Unit	Contribution Last year	Contribution Last Year	Contribution Two Years Ago	Emission Factor Last Year	Emission Factor Two Years Ago	Usage Factor Last Year	Usage Factor Two Years Ago
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		DIETHYL ETHER 25L DRUM	KG	0.00	0.00	0.00	0.00	0.00	2.10	2.10
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		DISTILLED TRIMETHYL PHOSPHITE	KG	0.00	0.00	0.00	0.00	0.00	7.60	7.60
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		ETHYL ACETATE 175-180KG DR MET	KG	6.46	33.88	27.42	3.99	3.23	8.50	8.50
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		HEXYLLITHIUM IN HEXANE 33% 276KG CY..	KG	0.00	0.00	0.00	0.00	0.00	1.70	1.70
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		SODIUM HYPOCHLORITE 31KG DR	KG	1.54	5.03	6.57	1.62	2.12	3.10	3.10
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		TETRAHYDROFURANE 180KG DR	KG	320.34	320.34	0.00	7.20	0.00	44.50	44.50
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		THIONYL CHLORIDE 2.5L GLASS BOTTLE	KG	0.00	0.00	0.00	0.00	0.00	0.93	0.93

M. Emission Changes Calculated fields

Please refer to the document:

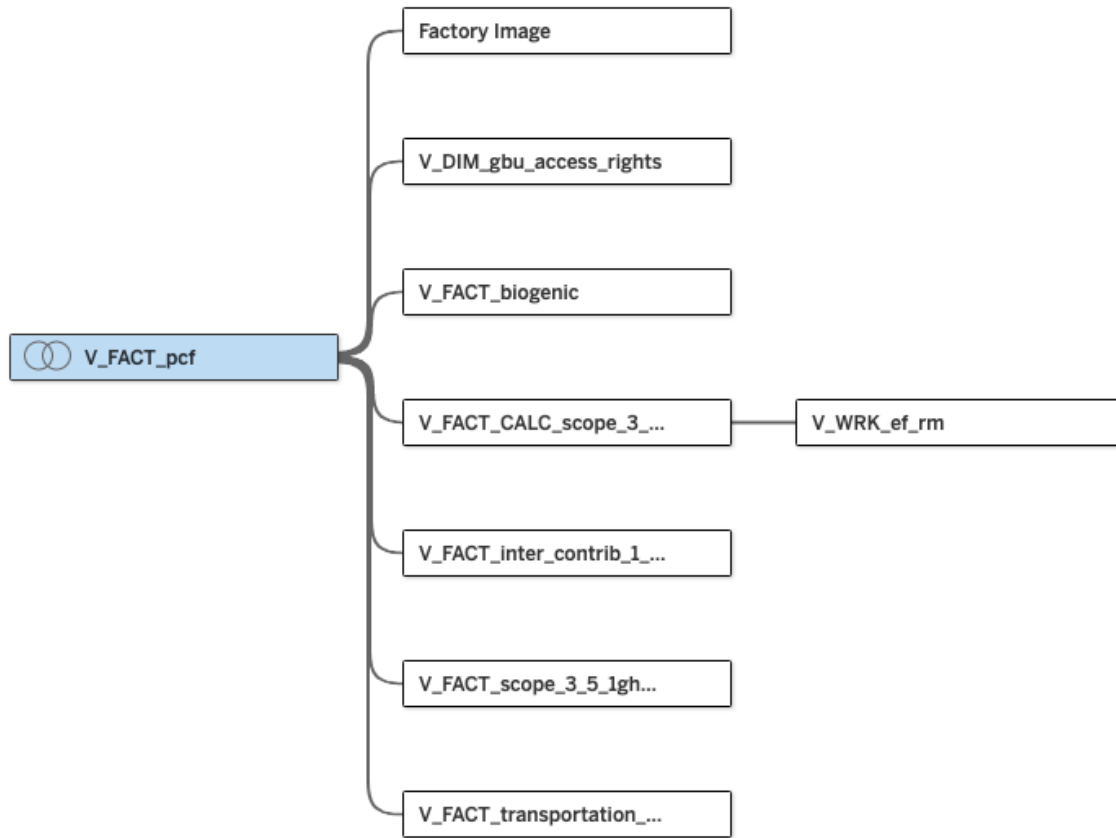
N.Attributes Dependencies - Advanced workbook

Please, download and open this document for an interactive version: [Advanced Network dependencies](#)



O. PCF - Product Carbon Footprint Advanced Workbook data model

Fact_PCF & All Scopes prod



3. PCF - Validated Product Carbon Footprint

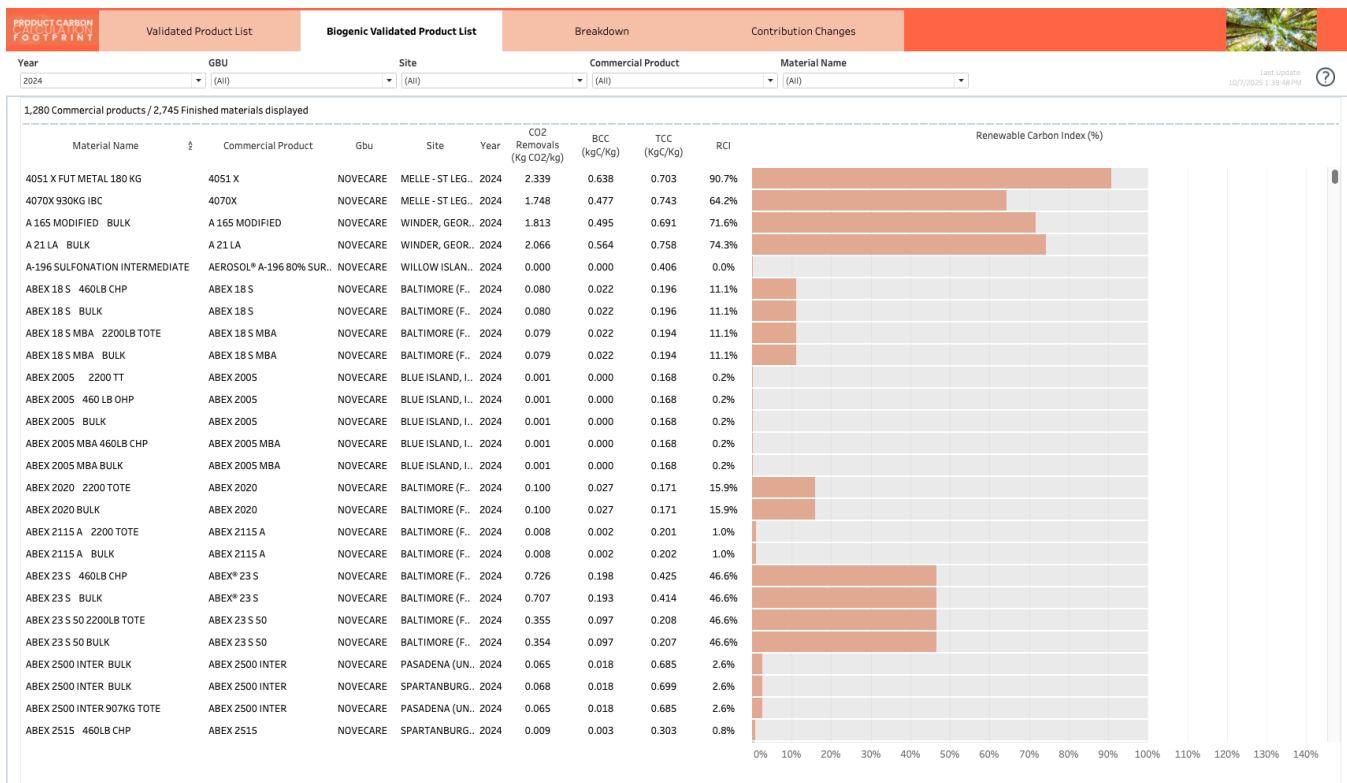
a. Validated Product list dashboard

PRODUCT CARBON FOOTPRINT		Validated Product List	Biogenic Validated Product List	Breakdown	Contribution Changes				
Year	GBU	Site	Commercial Product	Material Name					
2024	(All)	(All)	(All)	(All)					
1,373 Commercial products / 2,761 Finished materials displayed									
Material Name	Commercial Product	GBU	Site	Year	PCF(GWP excl. biogenic CO2 removal)	Biogenic CO2 Removal	Net PCF(incl. biogenic CO2 removal)	PDS (Primary Data Share)	PCF (Kg CO2/kg)
CYPURE NPG 50L P632 22.0KG 48.5LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE LIN 44L P632 18.1KG 40LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE CYT 49L ST 632 22.0KG 48.5LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE MATH ATMI 49L P632 20.9KG 46LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE NPG 50L PDIN 22.0KG 48.5LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE LIN TWN 44L P632 12.2KG 27LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE LIN TWNEP 44L 632 18.1KG 40LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE LIN TWN 44L P632 18.1KG 40LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE CYT 49L ST 632 18.1KG 40LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE VM 44L ST 632 19.0KG 41.9LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE LIN 44L 632 19.5KG 43LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE MATH 44L 632 19.5KG 43LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE MATH 44L P632 18.4KG 40.5LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
CYPURE CYT 44L ST 632 19.5KG 43LB	CYPURE® PHOSPHINE CVD S...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	35.9	0.000	0.0	27%	
TECNOFLO FOR 335C *CZ CA25CN	TECNOFLO® FOR 335C	SPECIALTY POLYMERS	CHANGSHU	2024	33.8	0.000	0.0	19%	
VAPORPH30S 49L 21.999KG 48.5LB ST CY	VAPORPH30S® PHOSPHINE ...	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	33.6	0.000	0.0	23%	
CYTOP 1 22KG 48.5LB ST CY	CYTOP® 1 PHOSPHINE	TECHNOLOGY SOLUTIONS	NIAGARA FALLS WELLAND	2024	33.6	0.000	0.0	23%	
TECNOFLO FOR 335C *CZ C500CN	TECNOFLO® FOR 335C	SPECIALTY POLYMERS	CHANGSHU	2024	33.3	0.000	0.0	18%	
TECNOFLO FOR 7353 *CZ Ca25CN	TECNOFLO® FOR 7353	SPECIALTY POLYMERS	CHANGSHU	2024	32.9	0.000	0.0	21%	
TECNOFLO FOR 539C *CZ CA25CN	TECNOFLO® FOR 539C	SPECIALTY POLYMERS	CHANGSHU	2024	32.8	0.000	0.0	18%	
TECNOFLO FOR 539C *CZ C500CN	TECNOFLO® FOR 539C	SPECIALTY POLYMERS	CHANGSHU	2024	32.7	0.000	0.0	18%	

b. Validated Product list Calculated fields

Please refer to the document:

c. Biogenic Validated Product list dashboard



d. Biogenic Product list Calculated fields

Please refer to the document:

e. Breakdown dashboard



Year:
 Commercial Product:
 Material Code:
 Material Name:

GBU:
 Site:
 Scope:

Product Carbon Footprint (kgCO2e/kg)

Material Name	Short Site Name	Year	PCF (kgCO2e/kg)
CYPURE NPG 50L P632 22.0KG .. NIAGARA		2024	35.89
CYPURE LIN 44L P632 18.1KG 4.. NIAGARA		2024	35.89
CYPURE CYT 49L ST 632 22.0K.. NIAGARA		2024	35.89
CYPURE MATH ATMI 49L P632 .. NIAGARA		2024	35.89
CYPURE NPG 50L PDIN 22.0KG .. NIAGARA		2024	35.89
CYPURE LIN TWN 44L P632 12... NIAGARA		2024	35.89
CYPURE LIN TWNEP 44L 632 1.. NIAGARA		2024	35.88
CYPURE LIN TWN 44L P632 18... NIAGARA		2024	35.88
CYPURE CYT 49L ST 632 18.1K.. NIAGARA		2024	35.88
CYPURE VM 44L ST 632 19.0KG.. NIAGARA		2024	35.88
CYPURE LIN 44L 632 19.5KG 43.. NIAGARA		2024	35.88
CYPURE MATH 44L 632 19.5KG .. NIAGARA		2024	35.88
CYPURE MATH 44L P632 18.4K.. NIAGARA		2024	35.88
CYPURE CYT 44L ST 632 19.5K.. NIAGARA		2024	35.88
TECNOFLO FOR 335C *CZ CA2.. CHANGSHU		2024	33.76
VAPORPHOS 49L 21.999KG 4.. NIAGARA		2024	33.62
CYTOP 1 22KG 48.5LB ST CY NIAGARA		2024	33.60
TECNOFLO FOR 335C *CZ C50.. CHANGSHU		2024	33.32
TECNOFLO FOR 7353 *CZ Ca2.. CHANGSHU		2024	32.88
TECNOFLO FOR 539C *CZ CA2.. CHANGSHU		2024	32.75
TECNOFLO FOR 539C *CZ C50.. CHANGSHU		2024	32.67



Raw Materials

CYPURE NPG 50L P632 22.0KG 48.5LB / NIAGARA **35.886** **23.60** **August 8, 2025**

WPZ_400/154020 PCF Final Raw Materials Validation Date

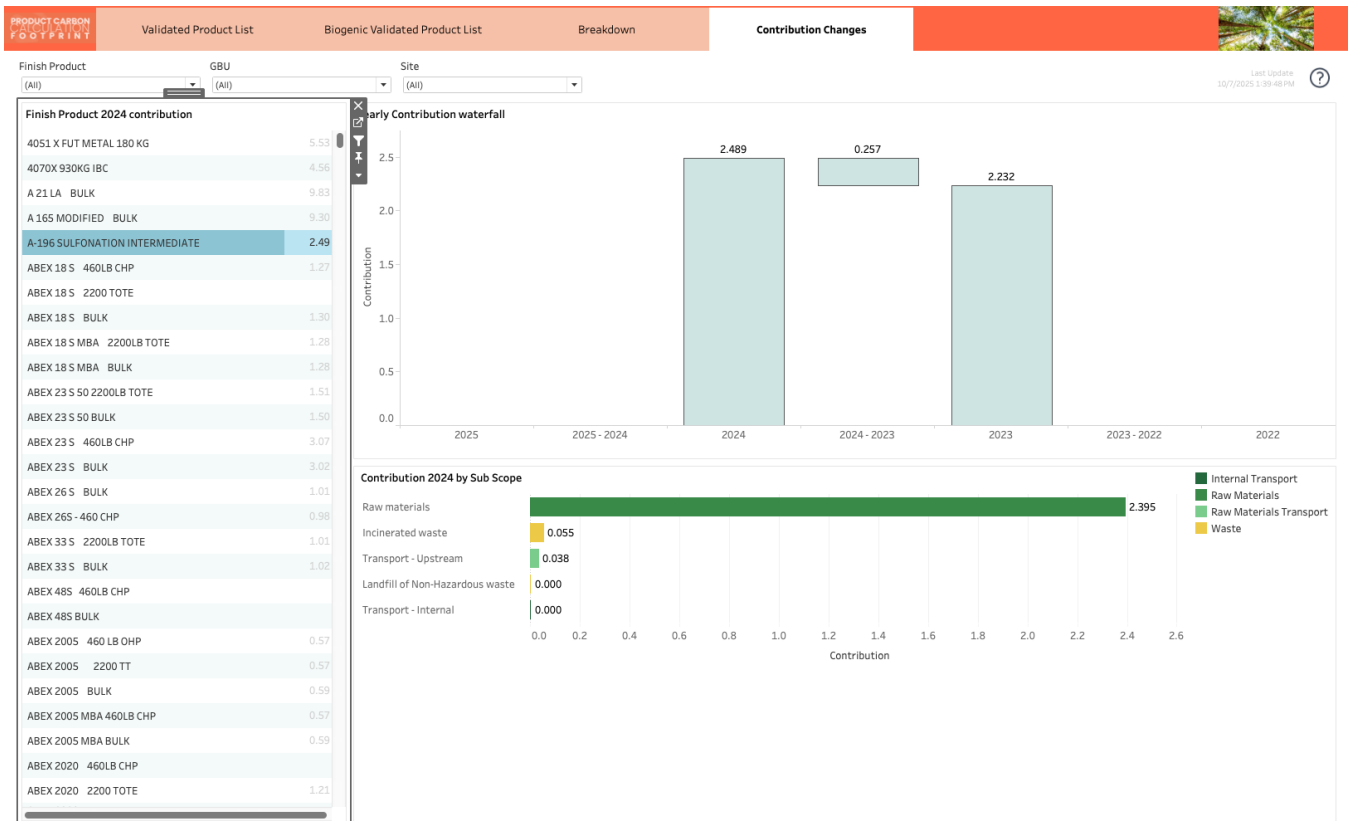
Intermediates Show Hide

Level	Intermediate product na..	Interm. product na..	Raw Material Name	Source Ef	Contribution
Null	7752 Niagara Falls	PHOSPHINE IN INTERMEDIATE	PHOSPHORIC ACID 100% SOLN BULK	Ecoinvent	-2.631
			PHOSPHORUS BULK	Supplier data	26.235

f. Breakdown list Calculated fields

Please refer to the document:

g. Contribution Dashboard



g. Contribution Changes list Calculated fields

Please refer to the document:

h.Attributes Dependencies - Advanced workbook

Please, download and open this document for an interactive version:

i. PCF - Product Carbon Footprint validated Workbook data model

☰ V_FACT_biogenic_valid



☰ V_PCF & All Scope

