Environmental Product Declaration

In accordance with ISO 14025:2006, ISO 21930:2017 and EN 15804:2012+A2:2019/AC:2021 for:

Vinyl wallcoverings on non-woven backing

From

Fidelity Industries

Type of EPD:	Product specific EPD
Version date:	2026-05-01
Validity date:	2031-05-01

GENERAL INFORMATION

Product Category Rules (PCR)
CEN standard EN 15804, ISO 21930 serves as the Core Product Category Rules (PCR)
Product Category Rules (PCR): *2019:14 Construction products (EN 15804+A2) Version 2.0.1.*

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but published in different EPD programs, may not be comparable. For two EPDs to be comparable, they shall be based on the same PCR (including the same first-digit version number) or be based on fully aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have identical scope in terms of included life-cycle stages (unless the excluded life-cycle stage is demonstrated to be insignificant); apply identical impact assessment methods (including the same version of characterisation factors); and be valid at the time of comparison.
For further information about comparability, see EN 15804, ISO 21930 and ISO 14025.

INFORMATION ABOUT EPD OWNER

Owner of the EPD: Fidelity Industries Inc.
Address: 559 Route 23, Wayne N.J. 07470, United States of America

Contact:Yossi Friedman, Technical Director
Description of the organization: Fidelity Industries is a leading manufacturer of wallcoverings in the USA.

Product-related or management system-related certifications:
Wallcovering Association WA-101 Quality Standard for Polymer Coated Fabric Wallcoverings.
NSF-342 Sustainability Standard
MAS Certified Green – CA Section 01350 Low VOC certified

PRODUCT INFORMATION

Product name: Vinyl wallcoverings on non-woven backing
Product identification:Vinyl based wallcoverings on non-woven backing in accordance with EN- 15102 and W-101 WA Quality Standard for Polymer Coated Wallcovering.

Visual representation of the product

UN CPC code: 32194 Wallpaper and similar wall coverings.

Product description: A decorative vinyl wallcovering for use on indoor walls, printed with water-based inks and laminated to a non-woven backing. Meets W-101 standard for Type II wallcoverings."

In accordance with EN 233 and W-101, the following apply:

Characteristic	**Specifications:**
Type	Type II
Weight	20 oz per linear yard(452 g/m^2)
Width	52-54" (132-137cm)
Breaking/Tearing Strength	Meets Type II
Stain Resistance	Meets Type II
Color fastness to light	Meets Type II
Scrubability/Washability	Meets Type II
Blocking/Crocking	Meets Type II
Heat Aging	Meets Type II
Fire classifications:	
ASTM-E84	Class A
CAN/ULC-S102	Pass
CE-DOC	B-s2,d0

Meets or exceeds Federal Specification CCC-W-408D & W-101 Quality Standard for Polymer Coated Fabric Wallcoverings.
MAS Certified Green Certificate of Compliance
Meets California Section 01350 Indoor Air Quality Standard

NSF-342 Sustainability Standard - Manufacturer Certified
Water-based inks - free of conflict minerals, heavy metals & solvents
Phthalate free vinyl
HPD-Health Product Declaration

Name and location of production site(s): Fidelity Industries, Wayne, New Jersey USA

Products covered by the EPD:

Fidelity Industries

CONTENT DECLARATION

The mass (weight) of per declared unit:0.503 kg/m^2
Information on the environmental and hazardous/toxic properties of a substances contained in the product: Contains no substances in the candidate list of Substances of Very High Concern (SVHCs) which exceeds the limits for registration with the European Chemicals Agency.
The declared share of biogenic/recycled materials The study of the data sets used revealed that the biogenic CO_2 balance was partially unbalanced. As a result, some of the generic datasets are not reconciled with each other or do not accurately represent the actual biogenic carbon flows. Therefore, a manual balancing of the biogenic CO_2 balance was carried out, so that this corresponds to the sum of the fossil CO_2 balance (compensation of credits and burdens).
Since no manufacturer information on the biogenic carbon content was available for the products, these are calculated based on the product components.
The calculation of the biogenic carbon content and the carbon balance is based, on the specific carbon contents of wood-based goods collected by the Thünen Institute (2014). Thecarbon conversion factor of 0.358 kg C/kg for cardboard and 0.445 kgC/kg was used for the calculation of biogenic carbon content of cellulose.

Product content	Mass, kg	Post-consumer recycled material, mass-% of product	Biogenic material, mass-% of product	Biogenic material, kg C/product or declared unit
Additives	0.146	0%	0%	0 kg C/ m^2
Carrier Material (Non-Woven)	0.036	0%	5.1%	0.041 kg C/ m^2
Ink & Pigment	0.019	0%	0%	0 kg C/ m^2
PVC plastisol	0.249	0%	0%	0 kg C/ m^2
TOTAL	0.450	0%	5.1%	0.041 kg C/ m^2

Packaging materials	Mass, kg	Mass-% (versus the product)	Biogenic material, kg C/product or declared unit
Cardboard	0.038	7.64%	0.05 kg C/ m^2
PVC film	0.012	2.55%	0 kg C/ m^2
TOTAL	0.051	10.19%	0.05 kg C/ m^2

1 kg biogenic carbon in the product/packaging is equivalent to the uptake of 44/12 kg of CO_2.

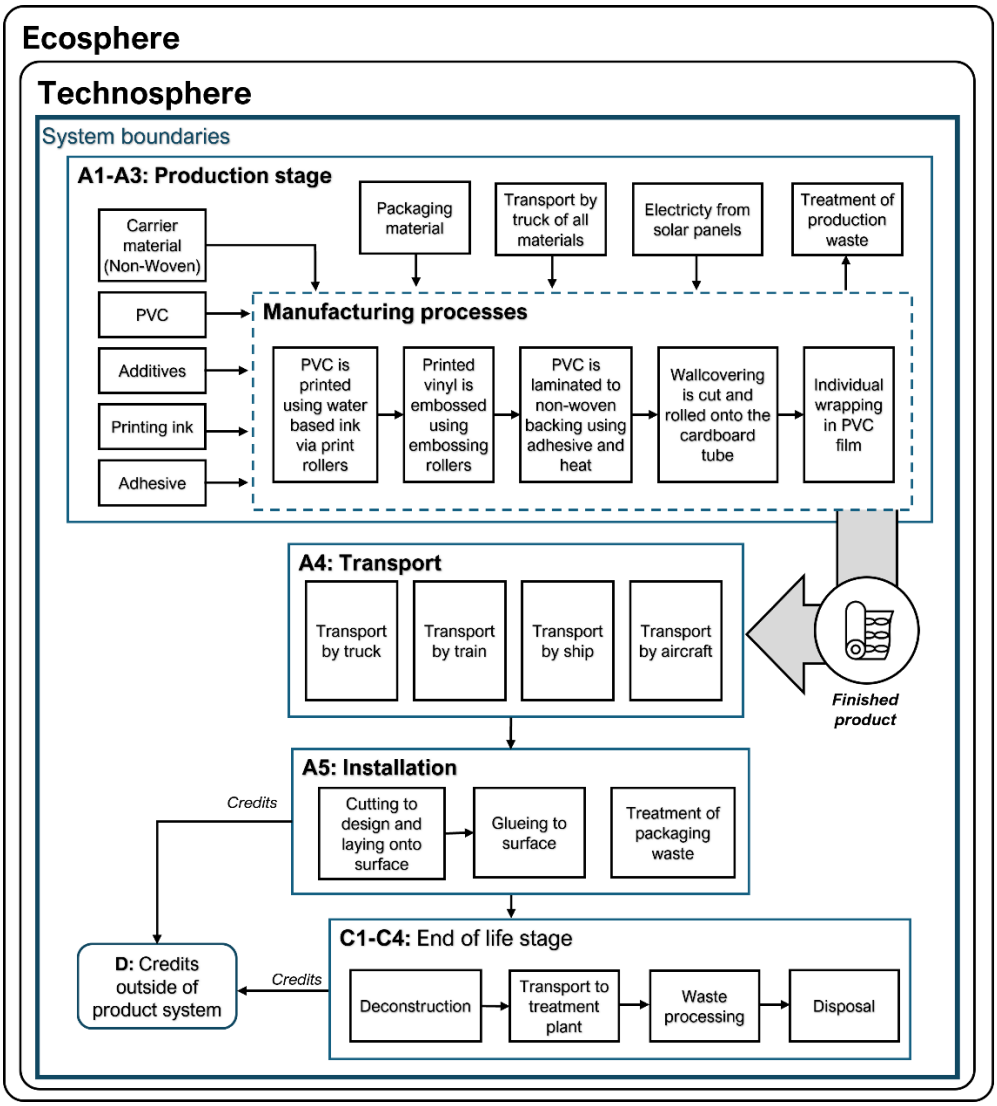
Hazardous substances from the candidate list of SVHC	EC No.	CAS No.	Mass-% per product or declared unit
None	Not applicable	Not applicable	Not applicable

LCA INFORMATION

Declared unit:1 m^2non-woven backed vinyl wallcovering and accompanying packaging.
Conversion factor to mass: 0.503 kg/m^2
Reference service life:10 years
Time representativeness:Based on yearly production data of 2022
Geographical scope: United States of America
Database(s) and LCA software used:LCA for Experts Content Version 2025.2. Some datasets from ecoinvent 3.9.1. were used when no LCA for Experts dataset was available.
EPD/LCA Tool used:LCA for Experts Version 10.9
Description of system boundaries:
b) Cradle to gate with options, modules C1–C4, module D and with optional modules (A1–A3 + C + D and additional modules). The additional modules A4–A5.

- Infrastructure and capital goods are excluded from the system boundaries.
- All processing steps and locations are balanced within the system boundaries.
- The LCI data manufacturing data was gathered for the specific declared product, and no co-product allocation was necessary.
- The allocation of waste follows the polluter-pays principle. The system boundary to the next product system is set when the waste reaches the end-of-waste state. The impacts of waste treatment from production are included in Module A3. The impacts of waste treatment during end-of-life are included in Module C, where the product reaches the end-of-waste status.
- All the LCI data used for modelling in Modules A2 and A3 corresponds to primary data collected from the manufacturing plant and contracted suppliers, including transportation distances from suppliers to production sites, material and energy inputs, and waste and emission outputs.

Process flow diagram:



More information:

- Additional information can be obtained by contacting Fidelity Industries, support@fidelitywall.com
- LCA practitioner: brands & values GmbH, info@brandsandvalues.com

Electricity use in Module A3 accounts for less than 30% of the GWP-GHG results of modules A1-A3. The energy requirements for production in Module A3 were modelled using thePhotovoltaic LCA for Experts dataset. The climate impact of the dataset is 0.0226 kg CO_2 eq./kWh (using the GWP-GHG indicator).

Modules declared, geographical scope, share of primary data (in GWP-GHG results) and data variation (in GWP-GHG results):

	Product stage			Distribution/ installation stage		Use stage							End-of-life stage				Beyond product life cycle
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
Module	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Modules declared	X	X	X	X	X	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
Geography	US	US	US	GLO	US								US	US	US	US	US
Share of primary data	30%					-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	<10%			<10%	<10%	-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	0%			0%	0%	-	-	-	-	-	-	-	0%	0%	0%	0%	0%

Modules/processes/life-cycle stages declared shall be noted with “X”.
Modules/processes/life-cycle stages not declared shall be marked as “ND”.
Geographical scope shall be reported by the country code(s) (e.g., UK, FR, DE) and/or name of the region(s) (e.g., EU 27, Global).
A variation of 0% shall be reported in EPDs of one product or site.

Process	Source type	Source	Reference year	Data category	Share of primary data, of GWP-GHG results for A1-A3
Manufacturing of product	Collected data	EPD owner	2022	Primary data	15%
Generation of electricity used in manufacturing of product	Collected data	EPD owner	2022	Primary data	15%
Production of packaging	EPD	EPD owner	2022	Primary data, secondary data	0%
Other processes	Databases	Ecoinvent v3.9.1, LCA for Experts 10.7.0.183	2022	Secondary data	0%
Total share of primary data, of GWP-GHG results for A1-A3					30%

ENVIRONMENTAL PERFORMANCE

LCA results of the product(s) - main environmental performance results

Mandatory impact category indicators according to EN 15804

Results per functional or declared unit									
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	1.26E+00	9.38E-03	8.52E-02	2.81E-05	3.93E-03	4.06E-07	5.91E-02	-9.28E-02
GWP-fossil	kg CO_2 eq.	1.35E+00	9.28E-03	3.52E-02	2.81E-05	3.89E-03	4.05E-07	1.72E-02	-9.27E-02
GWP-biogenic	kg CO_2 eq.	-9.22E-02	0.00E+00	5.00E-02	0.00E+00	0.00E+00	0.00E+00	4.18E-02	0.00E+00
GWP-luluc	kg CO_2 eq.	1.90E-03	9.60E-05	1.05E-05	3.44E-08	4.04E-05	6.15E-10	3.52E-05	-7.67E-05
ODP	kg CFC 11 eq.	3.24E-09	1.55E-15	1.24E-14	1.92E-16	6.51E-16	3.29E-18	4.42E-14	-6.12E-12
AP	mol H^+eq.	3.91E-03	6.55E-05	2.19E-05	6.98E-08	3.49E-05	1.04E-09	8.53E-05	-1.26E-04
EP-freshwater	kg P eq.	3.76E-05	2.51E-08	3.08E-07	2.34E-09	1.06E-08	5.70E-10	6.96E-06	-2.07E-07
EP-marine	kg N eq.	9.57E-04	3.28E-05	1.14E-05	2.47E-08	1.76E-05	2.43E-09	2.91E-05	-4.04E-05
EP-terrestrial	mol N eq.	1.03E-02	3.57E-04	9.12E-05	1.74E-07	1.92E-04	3.21E-09	2.28E-04	-4.46E-04
POCP	kg NMVOC eq.	3.64E-03	6.22E-05	3.63E-05	4.85E-08	3.27E-05	7.82E-10	8.68E-05	-2.09E-04
ADP-minerals&metals*	kg Sb eq.	1.96E-06	6.20E-10	2.22E-10	2.21E-12	2.61E-10	2.62E-14	9.20E-10	-1.96E-08
ADP-fossil*	MJ	3.01E+01	1.19E-01	5.97E-02	4.81E-04	5.03E-02	3.86E-06	2.37E-01	-2.22E+00
WDP*	m^3	2.56E-01	4.26E-05	3.23E-03	8.59E-03	1.79E-05	-3.94E-05	9.97E-04	-2.97E-03
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption								

** Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*
The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/or risks.
The results of the end-of-life stage (modules C1-C4) should be considered when using the results of the product stage (modules A1-A3).

Additional mandatory and voluntary impact category indicators

Results per functional or declared unit									
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG[1]	kg CO_2 eq.	1.35E+00	9.38E-03	3.52E-02	2.81E-05	3.93E-03	4.06E-07	1.73E-02	-9.28E-02

Resource use indicators

Results per functional or declared unit									
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	4.55E+00	9.00E-03	8.22E-03	1.00E-04	3.79E-03	1.89E-06	3.61E-02	-3.86E-01
PERM	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	4.55E+00	9.00E-03	8.22E-03	1.00E-04	3.79E-03	1.89E-06	3.61E-02	-3.86E-01
PENRE	MJ	3.01E+01	1.19E-01	5.97E-02	4.81E-04	5.03E-02	3.86E-06	2.37E-01	-2.22E+00
PENRM	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	MJ	3.01E+01	1.19E-01	5.97E-02	4.81E-04	5.03E-02	3.86E-06	2.37E-01	-2.22E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m^3	7.56E-03	4.45E-06	7.82E-05	2.00E-04	1.87E-06	-9.17E-07	3.31E-05	-4.13E-04
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non- renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water								

[1]This indicator accounts for all greenhouse gases except biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. As such, the indicator is identical to GWP-total except that the CF for biogenic CO_2 is set to zero.

Waste indicators

Results per functional or declared unit									
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	6.63E-09	4.79E-12	1.36E-11	2.05E-13	2.02E-12	3.66E-15	4.90E-11	-4.24E-08
Non-hazardous waste disposed	kg	7.72E-02	1.67E-05	3.12E-02	6.25E-05	7.02E-06	6.29E-07	4.20E-01	-1.14E-03
Radioactive waste disposed	kg	5.21E-04	2.25E-07	9.84E-07	1.81E-08	9.49E-08	3.93E-10	3.29E-06	-5.70E-05

Output flow indicators

Results per functional or declared unit									
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	4.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-02
Exported energy, thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-01

Additional LCA results (other environmental performance results)of the product(s)

The EPD covers multiple product variations of Type II 20 oz. woven backing. According to the manufacturer, the products included in this EPD differ only in format, design, or color. These variations affect materials with less than 1% mass participation in the product composition and therefore do not significantly influence the environmental performance of the product. As a result, the environmental impacts calculated for the representative product can be considered applicable to all products included within the scope of this EPD.

Results per functional or declared unit									
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Eutrophication	kg N eq.	1.53E-01	2.93E-05	4.07E-04	4.18E-08	6.11E-06	0.00E+00	6.88E-04	-3.71E-04
Global Warming Potential. air. excl. biogenic CO2	kg CO2 eq.	1.21E+02	5.08E-02	7.80E+00	2.83E-05	8.82E-03	0.00E+00	8.74E-01	-3.25E+00
Global Warming Potential. air. incl. biogenic CO2	kg CO2 eq.	1.12E+02	4.96E-02	8.66E+00	3.00E-05	8.60E-03	-1.00E+00	1.44E-01	-3.25E+00
Ozone Depletion. Air	kg CFC 11 eq.	1.77E-06	9.70E-16	-2.87E-15	1.27E-17	1.69E-16	0.00E+00	7.97E-15	-6.53E-13
Resources. Fossil Fuels	MJ surplus energy	2.80E+02	9.48E-02	5.35E-01	4.56E-05	1.65E-02	0.00E+00	1.33E-01	-5.81E+00
Smog Air	kg O3 eq.	5.08E+00	7.54E-03	5.59E-02	9.96E-07	1.68E-03	0.00E+00	8.29E-03	-6.35E-02
Acidification	kg SO2 eq.	7.28E-01	3.36E-04	3.08E-03	6.82E-08	7.42E-05	0.00E+00	1.75E-03	-3.48E-03
Ecotoxicity	CTUe	6.70E+02	1.86E-02	4.55E-02	1.91E-05	3.23E-03	0.00E+00	6.22E-03	-8.45E-02
Human Health Particulate Air	kg PM2.5 eq	6.46E-02	5.05E-06	1.06E-04	7.19E-09	1.87E-06	0.00E+00	1.98E-05	-1.87E-04
Human toxicity. cancer	CTUh	1.77E-06	3.75E-11	3.50E-10	3.13E-13	6.54E-12	0.00E+00	2.65E-11	-9.36E-10
Human toxicity. non-canc.	CTUh	1.09E-04	4.84E-09	4.85E-08	1.34E-11	8.43E-10	0.00E+00	4.03E-09	-5.90E-08

ABBREVIATIONS

All abbreviations used in the EPD must be added. Please add all the abbreviations used.

Abbreviation	Definition
General Abbreviations	
EN	European Norm (Standard)
EF	Environmental Footprint
GPI	General Programme Instructions
ISO	International Organization for Standardization
CEN	European Committee for Standardization
CLC	Co-location centre
CPC	Central product classification
GHS	Globally harmonized system of classification and labelling of chemicals
GRI	Global Reporting Initiative
SVHC	Substances of Very High Concern
ND	Not Declared

ADDITIONAL ENVIRONMENTAL INFORMATION

TRACI Indicators

The following TRACI indicators v 2.2 were calculated to comply with US Market requirements. The declared specific product complies with the ISO 21930:2017 Standard.

Results per functional or declared unit									
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
TRACI 2.2, Acidification Air	kg SO2 eq.	3.30E-03	4.66E-04	1.80E-05	5.93E-08	3.24E-05	0.00E+00	7.36E-05	-1.04E-04
TRACI 2.2, Ecotoxicity (recommended and interim)	CTUe	1.23E+01	1.02E-02	5.11E-04	1.91E-05	1.41E-03	0.00E+00	4.41E-03	-6.11E-03
TRACI 2.2, Ecotoxicity (recommended)	CTUe	4.50E-02	3.37E-03	2.39E-04	5.09E-07	1.13E-03	0.00E+00	8.40E-04	-3.86E-04
TRACI 2.2, Eutrophication - freshwater	kg P eq.	1.67E-05	2.19E-08	2.92E-07	1.05E-09	4.77E-09	0.00E+00	3.83E-06	-8.81E-08
TRACI 2.2, Eutrophication - marine	kg N eq.	1.51E-03	3.82E-04	1.23E-05	2.68E-08	3.02E-05	0.00E+00	3.58E-05	-5.91E-05
TRACI 2.2, Global Warming Air, excl. biogenic CO2	kg CO2 eq.	1.28E+00	1.09E-01	3.13E-02	2.83E-05	3.85E-03	0.00E+00	5.61E-02	-8.00E-02
TRACI 2.2, Global Warming Air, incl. biogenic CO2	kg CO2 eq.	1.25E+00	1.09E-01	2.99E-02	3.00E-05	3.75E-03	0.00E+00	7.10E-02	-8.02E-02
TRACI 2.2, Human Health Particulate Air	kg PM2.5 eq.	3.95E-04	1.39E-05	9.97E-07	7.19E-09	8.16E-07	0.00E+00	5.39E-06	-5.54E-06
TRACI 2.2, Ozone Depletion Air	kg CFC 11 eq.	3.86E-09	3.21E-14	8.14E-15	2.28E-16	7.74E-16	0.00E+00	5.23E-14	-7.90E-12
TRACI 2.2, Photochemical Oxidation Formation	kg O3 eq.	5.31E-02	1.33E-02	4.29E-04	9.96E-07	7.33E-04	0.00E+00	1.33E-03	-2.37E-03
TRACI 2.2, Human toxicity, cancer (recommended and interim)	CTUh	1.49E-08	3.68E-11	1.47E-12	3.12E-13	2.85E-12	0.00E+00	9.15E-12	-7.76E-11
TRACI 2.2, Human toxicity, cancer (recommended)	CTUh	1.27E-10	5.21E-13	3.21E-13	3.20E-15	2.34E-14	0.00E+00	8.51E-13	-1.28E-11
TRACI 2.2, Human toxicity, non-canc. (recommended and interim)	CTUh	1.69E-06	3.13E-09	1.21E-10	1.34E-11	3.68E-10	0.00E+00	8.76E-10	-6.61E-09
TRACI 2.2, Human toxicity, non-canc. (recommended)	CTUh	9.73E-11	8.04E-13	1.09E-13	1.09E-16	2.60E-13	0.00E+00	2.69E-13	-3.14E-12

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VERSION HISTORY

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