Noroc ® by Norbec Architectural Inc./Norbec Systems Inc.

PRODUCT DESCRIPTION: THIS HPD COVERS NOROC® PANELS BY NORBEC ARCHITECTURAL INC. NOROC® PANELS ARE FIRE-RATED AND INSULATED PANELS WITH A ROCK-WOOL CORE DESIGNED FOR BUILDING ENVELOPES. MORE SPECIFICALLY, THE HPD HAS BEEN PREPARED BASED ON AVERAGE COMPOSITIONS OF NOROC®-L (42½ IN.) USING A ROCK-WOOL CORE OF 4 INCHES AND A 26 GAUGE THICKNESS FOR STEEL SHEETS.

Section 1: Summary

CONTENT INVENTORY

Residuals and 0 0 Threshold per impurities Characterized..... considered in Yes No material Are the Percent Weight and Role provided for all substances? 100 ppm 5 of 5 materials 0 ο Screened..... • 1,000 ppm • see Section 2: Are all substances screened using Priority Hazard Lists with results Yes No • Per GHS SDS Material Notes disclosed? • Per OSHA MSDS • see Section 5: 0 Identified..... 0 O Other **General Notes** Are all substances disclosed by Name (Specific or Generic) and Yes No Identifier?

Based on the selected Content Inventory Threshold:

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals[®]. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE

FIRE-RATED INSULATING MATERIAL [SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK CAN PHENOL FORMALDEHYDE LT-P1 RES FORMALDEHYDE LT-1 MAM SKI | CAN | RES | GEN | MUL | END] PRE-PAINTED GALVANIZED STEEL SHEETS [IRON LT-P1] END ZINC LT-P1 | AQU | END | MUL | PHY TITANIUM DIOXIDE LT-1 | CAN | END TERLON NoGS ACRYLATES NoGS STRONTIUM CHROMATE LT-1 | MAM | CAN | AQU | DEV | REP | SKI | MUL | GEN CHROMIUM LT-P1 | RES | END COPPER LT-UNK MANGANESE LT-P1 | END | MUL | REP NICKEL LT-1 | MAM | CAN | SKI | AQU | RES | MUL ALUMINUM LT-P1 | RES | END | PHY CADMIUM LT-1 MAM | CAN | AQU | REP | DEV | PBT | GEN | MUL | END | PHY LEAD LT-1 | MAM | AQU | DEV | REP | CAN | PBT | MUL | END | GEN ANTIMONY LT-1 | MAM | AQU | CAN POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER) LT-UNK POLYESTER NoGS FORMALDEHYDE MELAMINE POLYMER, METHYLATED LT-UNK ACRYLONITRILE -METHYL-METHACRYLATE -VINYLIDENE CHLORIDE COPOLYMER LT-P1 | END 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE LT-P1 | END] SEALANT #1 [UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED BM-2 | MAM | CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | CAN] SEALANT #2 [SILOXANES AND SILICONES, DI-ME, ME HYDROGEN LT-P1 LIMESTONE; CALCIUM CARBONATE LT-UNK POLYDIMETHYLSILOXANES LT-P1 | PBT 2-BUTANONE, 0,0',0"-(METHYLSILYLIDYNE)TRIOXIME (8CI)(9CI) LT-UNK FUMED SILICA, CRYSTALLINE-FREE LT-UNK 1,2-ETHANEDIAMINE, N-(3-(TRIMETHOXYSILYL)PROPYL)-(9CI) LT-UNK BUTAN-2-ONE O,O',O''-(VINYLSILYLIDYNE)TRIOXIME BM-1 DIBUTYLTIN DILAURATE LT-1 | PBT | MUL | END | REP_OCTAMETHYLCYCLOTETRASILOXANE (D4) BM-1 | REP | END | PBT | MUL] ADHESIVE #3 [POLYURETHANE FOAMS LT-UNK XYLENES BM-1 | MAM | SKI | END | MUL | REP DIBUTYLTIN DILAURATE LT-1 | PBT | MUL | END | REP ETHYLBENZENE BM-2 | MAM | CAN | PHY | REP]

Number of Greenscreen BM-

4/BM3 contents.....0 Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1 Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This HPD has been prepared using the Material Content Inventory. Noroc® panels have been screened at 1000ppm. Two different sealants can be used for the fabrication and/or installation of Noroc® panels that is why they have been both declared under "sealant #1" and "sealant #2".

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD

Self-Published*	VERIFIER:	SCREENING DATE: June 22, 2017	EXPIRY DATE*: June 22, 2020
O Third Party Verified	VERIFICATION #:	RELEASE DATE: July 21, 2017	* or within 3 months of significant change in product contents
*See HPDC websit	te for details		

Health Product Declaration v2.0

created via: HPDC Online Builder

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

E-RATED INSULATING N ntory Threshold: 1000 ppr erial Notes: Insulated and	m Residuals C	considered: Yes		
SOLID GLASS AND GL	ASS / MINERAL FIBER	(SEE VARIANTS)	ID: 65997	-17-3
%: 97.0000 - 99.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Main material
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	S:
CANCER	EU - R-phrase	es	R40 - Limited Ev	vidence of Carcinogenic Effects
CANCER	CANCER EU - GHS (H-Statements)		H351 - Suspecte	ed of causing cancer
SUBSTANCE NOTES: I	Vineral wool fibers.			
PHENOL FORMALDEH	YDE		ID: 9003-3	35-4
%: 0.0000 - 3.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Binding agent
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	3:
RESPIRATORY	AOEC - Asthr	magens	Asthmagen (Rs) - sensitizer-induced	
SUBSTANCE NOTES: \$	See Material Notes.			
FORMALDEHYDE			ID: 50-00-	0
%: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residua
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	3:
HAZARDS: MAMMALIAN	EU - R-phrase			
	EU - R-phrase EU - R-phrase	es		nhalation (gas, vapour, dust/mist)
MAMMALIAN		es	R23 - Toxic by Iı	nhalation (gas, vapour, dust/mist ontact with Skin
MAMMALIAN	EU - R-phras	es es	R23 - Toxic by Ir R24 - Toxic in C	nhalation (gas, vapour, dust/mist) ontact with Skin vallowed

SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	МАК	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	МАК	Sensitizing Substance Sh - Danger of skin sensitization
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Japan - GHS	Carcinogenicity - Category 1A

SUBSTANCE NOTES: Residual from the phenolic resin. Present in the final product at concentrations below 7 ppm. GREENGUARD GOLD certified.

PRE-PAINTED GALVANIZED STEEL SHEETS Inventory Threshold: 100 ppm %: 40.1900 Residuals Considered: Yes HPD URL:

IRON			ID: 7439-	-89-6	
%: 88.0000 - 98.8600 GS: LT-P1 RC: None		RC: None	NANO: NO	ROLE: main eleme	
HAZARDS:		AGENC	Y(IES) WITH WARNING	S:	
ENDOCRINE	TEDX - Pote	ential Endocrine Disruptors	Potential Endoc	crine Disruptor	
SUBSTANCE NOTES: S	See Material Notes.				
ZINC			ID: 7440-	-66-6	
%: 0.1500 - 9.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: galvanizing element	
HAZARDS:		AGENC	Y(IES) WITH WARNING	S:	
ACUTE AQUATIC	EU - R-phra	ses	R50 - Very Tox	ic to Aquatic Organisms	
ACUTE AQUATIC	EU - GHS (ł	H-Statements)	H400 - Very tox	tic to aquatic life	
CHRON AQUATIC	EU - GHS (ł	H-Statements)	H410 - Very tox effects	H410 - Very toxic to aquatic life with long lastir effects	
ENDOCRINE	TEDX - Pote	ential Endocrine Disruptors	Potential Endoc	Potential Endocrine Disruptor	
MULTIPLE	German FE	A - Substances Hazardous to W	aters Class 2 - Hazar	rd to Waters	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (ł	H-Statements)	H250 - Catches air	s fire spontaneously if expose	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (ł	H-Statements)		ct with water releases flamm ay ignite spontaneously	
SUBSTANCE NOTES: S	See Material Notes.				
TITANIUM DIOXIDE			ID: 1346	3-67-7	
%: 0.1500 - 0.4700	GS: LT-1	RC: None	NANO: NO	ROLE: Paint ingred	
HAZARDS:		AGENC	Y(IES) WITH WARNING	S:	
CANCER	US CDC - C	occupational Carcinogens	Occupational C	arcinogen	
CANCER	CA EPA - P	rop 65	Carcinogen - sp exposure route	pecific to chemical form or	
CANCER	IARC			sibly carcinogenic to humans	

ENDOCRINE	TEDX - Potentia	I Endocrine Disruptors	Potential Endocrir	ne Disruptor
CANCER	МАК			o 3A - Evidence of carcinogenic ficient to establish MAK/BAT
SUBSTANCE NOTES: Se	ee Material Notes.			
TERLON			ID: 63148-6	9-6
%: 0.1000 - 0.1300	GS: NoGS	RC: None	NANO: NO	ROLE: Paint ingredient
HAZARDS:		AG	ENCY(IES) WITH WARNINGS:	
None Found		No	warnings found on HPD Priority	lists
SUBSTANCE NOTES: Ap	pproximation for "Alkyd pol	lyester resin".		
ACRYLATES			ID: 102256-	-29-1
%: 0.1000 - 0.2000	GS: NoGS	RC: None	NANO: NO	ROLE: Paint ingredient
HAZARDS:		AG	ENCY(IES) WITH WARNINGS:	
None Found		No	warnings found on HPD Priority	lists
SUBSTANCE NOTES: Ap	pproximation for "acrylic re	sin".		
STRONTIUM CHROMAT	E		ID: 7789-06	ò-2
%: 0.0600 - 0.0900	GS: LT-1	RC: None	NANO: NO	ROLE: Paint ingredient
HAZARDS:		AG	ENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases		R22 - Harmful if S	wallowed
CANCER	EU - R-phrases		R45 - May cause	cancer
ACUTE AQUATIC	EU - R-phrases		R50 - Very Toxic	to Aquatic Organisms
CANCER	IARC		Group 1 - Agent is	s Carcinogenic to humans
CANCER	CA EPA - Prop 6	65	Carcinogen	
DEVELOPMENTAL	CA EPA - Prop 6	65	Developmental to	xicity
REPRODUCTIVE	CA EPA - Prop 6	65	Reproductive Tox	icity - Female
CANCER	US NIH - Report	on Carcinogens	Known to be a hu	man Carcinogen
CANCER	EU - SVHC Auth	orisation List	Carcinogenic - Ba	nned unless Authorised

ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life	
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects	
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction	
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer	
CANCER	EU - GHS (H-Statements)	H350i - May cause cancer by inhalation	
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogeni man	
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant	
MULTIPLE	German FEA - Substances Hazardous to Water	s Class 3 - Severe Hazard to Waters	
CANCER	МАК	Carcinogen Group 1 - Substances that cause cancer in man	
SKIN SENSITIZE	МАК	Sensitizing Substance Sh - Danger of skin sensitization	
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]	
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinoger based on animal evidence	
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens	
CANCER	Japan - GHS	Carcinogenicity - Category 1A	
GENE MUTATION	МАК	Germ Cell Mutagen 2	
CANCER	Australia - GHS	H350 - May cause cancer	
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male	
SUBSTANCE NOTES: S	See Material Notes.		
CHROMIUM		ID: 7440-47-3	
%: 0.0000 - 0.6400	GS: LT-P1 RC: None	NANO: NO ROLE: alloying element	
HAZARDS:	AGENCY(IE	S) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor	

COPPER			ID: 7440-5	50-8
%: 0.0000 - 0.2000	GS: LT-UNK	RC: None	NANO: NO	ROLE: alloying element
HAZARDS:		AGENO	CY(IES) WITH WARNINGS):
None Found		No war	nings found on HPD Priorit	y lists
SUBSTANCE NOTES: S	See Material Notes.			
MANGANESE			ID: 7439-5	96-5
%: 0.0000 - 2.2000	GS: LT-P1	RC: None	NANO: NO	ROLE: alloying element
HAZARDS:		AGENC	CY(IES) WITH WARNINGS	3:
ENDOCRINE	TEDX - Poten	tial Endocrine Disruptors	Potential Endoci	ine Disruptor
MULTIPLE	German FEA	- Substances Hazardous to V	Vaters Class 2 - Hazard	to Waters
REPRODUCTIVE	Japan - GHS		Toxic to reprodu	ction - Category 1B
SUBSTANCE NOTES: S	See Material Notes.			
NICKEL			ID: 7440-0	02-0
%: 0.0000 - 0.2000	GS: LT-1	RC: None	NANO: NO	ROLE: alloying element
HAZARDS:		AGENO	CY(IES) WITH WARNINGS	3:
MAMMALIAN	EU - R-phrase	25	R23 - Toxic by Iı	nhalation (gas, vapour, dust/mist)
CANCER	EU - R-phrase	95	R40 - Limited Ev	vidence of Carcinogenic Effects
SKIN SENSITIZE	EU - R-phrase	es	R43 - May cause	e sensitization by skin contact
ORGAN TOXICANT	EU - R-phrase	95	R48: Danger of sprolonged expos	serious damage to health by sure.
ACUTE AQUATIC	EU - R-phrase	95	R52 - Harmful to	Aquatic Organisms
CANCER	IARC		Group 1 - Agent	is Carcinogenic to humans
CANCER	IARC		Group 2b - Poss	ibly carcinogenic to humans
CANCER	CA EPA - Pro	p 65	Carcinogen	
CANCER	US CDC - Oc	cupational Carcinogens	Occupational Ca	arcinogen
CANCER	US NIH - Rep	ort on Carcinogens	Reasonably Anti	cipated to be Human Carcinogen
RESPIRATORY	AOEC - Asthn	nagens	Asthmagen (AR: forms only	s) - sensitizer-induced - inhalable

SKIN SENSITIZE	EU - GHS (I	H-Statements)	H317 - May caus	e an allergic skin reaction
CANCER	EU - GHS (I	H-Statements)	H351 - Suspecte	d of causing cancer
ORGAN TOXICANT	EU - GHS (I	H-Statements)	H372 - Causes d prolonged or repe	amage to organs through eated exposure
MULTIPLE	German FE	A - Substances Hazardous to W	/aters Class 2 - Hazard	to Waters
CANCER	МАК		Carcinogen Grou cancer in man	p 1 - Substances that cause
RESPIRATORY	МАК		Sensitizing Substance Sah - Danger of airway & skin sensitization	
SUBSTANCE NOTES: S	See Material Notes.			
ALUMINUM			ID: 7429-9	0-5
%: Impurity/Residual	GS: LT-P1	RC: None	NANO: NO	ROLE: Impurity/Residual
HAZARDS:		AGENC	Y(IES) WITH WARNINGS	:
RESPIRATORY	AOEC - Ast	AOEC - Asthmagens Asthmagen (ARs) - sensitiz forms only) - sensitizer-induced - inhalable
ENDOCRINE	TEDX - Pote	ential Endocrine Disruptors	Potential Endocri	ne Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (I	H-Statements)	H228 - Flammable solid	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (I	H-Statements)	H250 - Catches f air	ire spontaneously if exposed to
PHYSICAL HAZARD (REACTIVE)	EU - GHS (I	H-Statements)	H261 - In contact gases	with water releases flammable
SUBSTANCE NOTES: (0.004w% max.	Galvanizing may add tra	ace amounts of aluminum at 0.0	955w% max, antimony at 0.	011w% max and lead at
CADMIUM			ID: 7440-4	3-9
%: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residual
HAZARDS:		AGENC	Y(IES) WITH WARNINGS	:
MAMMALIAN	EU - R-phra	ses	R23 - Toxic by In	halation (gas, vapour, dust/mist)
MAMMALIAN	EU - R-phra	ses	R25 - Toxic if Sw	allowed
MAMMALIAN	EU - R-phra	ses	R26 - Very Toxic	by Inhalation
CANCER	EU - R-phra	ses	R45 - May cause	cancer

ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
REPRODUCTIVE	EU - R-phrases	R62 - Possible risk of impaired fertility
DEVELOPMENTAL	EU - R-phrases	R63 - Possible risk of harm to the unborn child
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
РВТ	US EPA - Priority PBTs (NWMP)	Priority PBT
PBT	WA DoE - PBT	РВТ
GENE MUTATION	EU - R-phrases	R68 - May cause irreversible effects
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CANCER	EU - SVHC Authorisation List	Carcinogenic - Candidate list
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
РВТ	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
REPRODUCTIVE	EU - GHS (H-Statements)	H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

MULTIPLE	German FEA - Substances H	azardous to Waters Class 3 - Severe Hazard to Waters
CANCER	МАК	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	New Zealand - GHS	6.6A - Known or presumed human mutagens
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
GENE MUTATION	МАК	Germ Cell Mutagen 3a
CANCER	Malaysia - GHS	H350 - May cause cancer
CANCER	Australia - GHS	H350 - May cause cancer
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
SUBSTANCE NOTES: N	May be present as impurities in the galva	nized steel.
SUBSTANCE NOTES: N	May be present as impurities in the galva	nized steel. ID: 7439-92-1
	May be present as impurities in the galva	ID: 7439-92-1
LEAD		ID: 7439-92-1
LEAD %: Impurity/Residual		ID: 7439-92-1 e NANO: NO ROLE: Impurity/Residual
LEAD %: Impurity/Residual HAZARDS:	GS: LT-1 RC: No	ID: 7439-92-1 e NANO: NO ROLE: Impurity/Residual AGENCY(IES) WITH WARNINGS: R20 - Harmful by Inhalation (gas or vapor or
LEAD %: Impurity/Residual HAZARDS: MAMMALIAN	GS: LT-1 RC: Nor EU - R-phrases	ID: 7439-92-1 e NANO: NO ROLE: Impurity/Residual AGENCY(IES) WITH WARNINGS: R20 - Harmful by Inhalation (gas or vapor or dust/mist)
LEAD %: Impurity/Residual HAZARDS: MAMMALIAN MAMMALIAN	GS: LT-1 RC: Not EU - R-phrases EU - R-phrases	ID: 7439-92-1 e NANO: NO ROLE: Impurity/Residual AGENCY(IES) WITH WARNINGS: R20 - Harmful by Inhalation (gas or vapor or dust/mist) R22 - Harmful if Swallowed
LEAD %: Impurity/Residual HAZARDS: MAMMALIAN MAMMALIAN ACUTE AQUATIC	GS: LT-1 RC: Not EU - R-phrases EU - R-phrases EU - R-phrases	ID: 7439-92-1 e NANO: NO ROLE: Impurity/Residual AGENCY(IES) WITH WARNINGS: R20 - Harmful by Inhalation (gas or vapor or dust/mist) R22 - Harmful if Swallowed R50 - Very Toxic to Aquatic Organisms
LEAD %: Impurity/Residual HAZARDS: MAMMALIAN MAMMALIAN ACUTE AQUATIC DEVELOPMENTAL	GS: LT-1 RC: Not EU - R-phrases EU - R-phrases EU - R-phrases EU - R-phrases EU - R-phrases	ID: 7439-92-1 e NANO: NO ROLE: Impurity/Residual AGENCY(IES) WITH WARNINGS: R20 - Harmful by Inhalation (gas or vapor or dust/mist) R22 - Harmful if Swallowed R50 - Very Toxic to Aquatic Organisms R61 - May cause harm to the unborn child

Group 2a - Agent is probably Carcinogenic to

Group 2b - Possibly carcinogenic to humans

humans

Carcinogen

Developmental toxicity

IARC

IARC

CA EPA - Prop 65

CA EPA - Prop 65

CANCER

CANCER

CANCER

DEVELOPMENTAL

PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
РВТ	WA DoE - PBT	PBT
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
РВТ	US EPA - Priority PBTs (PPT)	Priority PBT
РВТ	US EPA - Toxics Release Inventory PBTs	РВТ
РВТ	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
РВТ	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
DEVELOPMENTAL	EU - GHS (H-Statements)	H360Df - May damage the unborn child. Suspected of damaging fertility
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
DEVELOPMENTAL	EU - GHS (H-Statements)	H362 - May cause harm to breast-fed children
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	МАК	Carcinogen Group 2 - Considered to be carcinogenic for man
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1A
GENE MUTATION	МАК	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A

SUBSTANCE NOTES: Galvanizing may add trace amounts of aluminum at 0.055w% max, antimony at 0.011w% max and lead at 0.004w% max. Lead may also be present as an impurity in the steel at a concentration < 1ppm.

ANTIMONY			ID: 7440-3	36-0
%: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residual
HAZARDS:		AGENCY	(IES) WITH WARNINGS	5:
MAMMALIAN	EU - R-phras	ses	R20 - Harmful b dust/mist)	y Inhalation (gas or vapor or
MAMMALIAN	EU - R-phras	ses	R22 - Harmful if	Swallowed
ACUTE AQUATIC	EU - R-phras	ses	R51 - Toxic to A	quatic Organisms
CHRON AQUATIC	EU - GHS (F	H-Statements)	H411 - Toxic to	aquatic life with long lasting effects
CANCER	MAK		Carcinogen Gro carcinogenic for	up 2 - Considered to be man
SUBSTANCE NOTES: 0 0.004w% max.	Galvanizing may add tra	ace amounts of aluminum at 0.05	5w% max, antimony at 0	0.011w% max and lead at
POLYVINYLIDENE FLU	IORIDE (1,1-DIFLUORO	DETHENE HOMOPOLYMER)	ID: 24937	-79-9
%: 0.0000 - 0.4000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Paint ingredient
HAZARDS:		AGENCY	(IES) WITH WARNINGS	S:
None Found		No warnir	igs found on HPD Priorit	ty lists
None Found SUBSTANCE NOTES: F	PVDF paint only. See M		ngs found on HPD Priorit	ty lists
	PVDF paint only. See M		ngs found on HPD Priorit ID: 11366	
SUBSTANCE NOTES: F	PVDF paint only. See M GS: NoGS			
SUBSTANCE NOTES: F		laterial Notes. RC: None	ID: 11366	9-95-7 ROLE: Paint ingredient
SUBSTANCE NOTES: F POLYESTER %: 0.0000 - 0.3300		laterial Notes. RC: None AGENCY	ID: 11366 NANO: NO	9-95-7 ROLE: Paint ingredient
SUBSTANCE NOTES: F POLYESTER %: 0.0000 - 0.3300 HAZARDS:	GS: NoGS	laterial Notes. RC: None AGENCY	ID: 11366 NANO: NO (IES) WITH WARNINGS	9-95-7 ROLE: Paint ingredient
SUBSTANCE NOTES: F POLYESTER %: 0.0000 - 0.3300 HAZARDS: None Found	GS: NoGS See Material Notes.	RC: None AGENCY No warnir	ID: 11366 NANO: NO (IES) WITH WARNINGS	9-95-7 ROLE: Paint ingredient S: ty lists
SUBSTANCE NOTES: F POLYESTER %: 0.0000 - 0.3300 HAZARDS: None Found SUBSTANCE NOTES: S	GS: NoGS See Material Notes.	RC: None AGENCY No warnir	ID: 11366 NANO: NO (IES) WITH WARNINGS	9-95-7 ROLE: Paint ingredient S: ty lists
SUBSTANCE NOTES: F POLYESTER %: 0.0000 - 0.3300 HAZARDS: None Found SUBSTANCE NOTES: S FORMALDEHYDE, MEL	GS: NoGS See Material Notes.	RC: None AGENCY No warnir ETHYLATED RC: None	ID: 11366 NANO: NO (IES) WITH WARNINGS Igs found on HPD Priorit	9-95-7 ROLE: Paint ingredient s: ty lists -20-0 ROLE: Paint ingredient

ACRYLONITRILE -MET	HYL-METHACRYLATE	-VINYLIDENE CHLORIDE	COPOLYMER ID: 25036	-25-3
%: 0.0000 - 0.1700	GS: LT-P1	RC: None	NANO: NO	ROLE: Paint ingredi
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	5:
ENDOCRINE	EU - Priority	r Endocrine Disrupters	Category 1 - In v Disruption Activi	vivo evidence of Endocrine ity
SUBSTANCE NOTES: (Only for PVDF paint. Se	ee Material Notes.		
2,2,4-TRIMETHYL-1,3-F	PENTANEDIOL DIISOB	UTYRATE	ID: 6846-5	50-0
%: 0.0000 - 0.1500	GS: LT-P1	RC: None	NANO: NO	ROLE: Paint ingredi
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	5:
ENDOCRINE	TEDX - Pote	ential Endocrine Disruptors	Potential Endoci	rine Disruptor
SUBSTANCE NOTES: S	See Material Notes.	%: 0.0000 - 1.0000	HP	D URL:
LANT #1 htory Threshold: 1000 ppr rial Notes: Butyl sealant.	m	Residuals Considered		
LANT #1 htory Threshold: 1000 ppr	m	Residuals Considered	: Yes	
LANT #1 htory Threshold: 1000 ppr rial Notes: Butyl sealant. rotected by a NDA. UNDISCLOSED	m Confidential information	Residuals Considered in have been retained. The ex RC: None	: Yes act composition, as well as r NANO: NO	names and CAS# of substand ROLE: Additive
LANT #1 htory Threshold: 1000 ppr rial Notes: Butyl sealant. rotected by a NDA. UNDISCLOSED %: 50.0000 - 60.0000	m Confidential information	Residuals Considered n have been retained. The ex RC: None AGE	: Yes kact composition, as well as r	names and CAS# of substand ROLE: Additive
LANT #1 htory Threshold: 1000 ppr rial Notes: Butyl sealant. rotected by a NDA. UNDISCLOSED %: 50.0000 - 60.0000 HAZARDS:	m Confidential information GS: LT-UNK	Residuals Considered n have been retained. The ex RC: None AGE	: Yes kact composition, as well as r NANO: NO NCY(IES) WITH WARNINGS	names and CAS# of substand ROLE: Additive
LANT #1 htory Threshold: 1000 ppr rial Notes: Butyl sealant. rotected by a NDA. UNDISCLOSED %: 50.0000 - 60.0000 HAZARDS: None Found	m Confidential information GS: LT-UNK	Residuals Considered n have been retained. The ex RC: None AGE	: Yes kact composition, as well as r NANO: NO NCY(IES) WITH WARNINGS	names and CAS# of substand ROLE: Additive
LANT #1 Itory Threshold: 1000 ppr rial Notes: Butyl sealant. rotected by a NDA. UNDISCLOSED %: 50.0000 - 60.0000 HAZARDS: None Found SUBSTANCE NOTES: S	m Confidential information GS: LT-UNK	Residuals Considered n have been retained. The ex RC: None AGE	: Yes kact composition, as well as r NANO: NO NCY(IES) WITH WARNINGS	names and CAS# of substand ROLE: Additive
LANT #1 htory Threshold: 1000 ppr rial Notes: Butyl sealant. rotected by a NDA. UNDISCLOSED %: 50.0000 - 60.0000 HAZARDS: None Found SUBSTANCE NOTES: S UNDISCLOSED	m Confidential information GS: LT-UNK See Material Notes.	Residuals Considered in have been retained. The example RC: None AGE No w RC: None	: Yes kact composition, as well as r NANO: NO NCY(IES) WITH WARNINGS arnings found on HPD Priorit	ROLE: Additive

%: 10.0000 - 20.0000	GS: BM-2	RC: None	NANO: NO	ROLE: Solvent
HAZARDS:		AGE	NCY(IES) WITH WARNING	S:
MAMMALIAN	EU - GHS (H-S	tatements)	H304 - May be f airways	atal if swallowed and enters
CANCER	МАК			up 3B - Evidence of carcinoge ufficient for classification
SUBSTANCE NOTES: S	Gee Material Notes.			
UNDISCLOSED				
%: 1.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGE	NCY(IES) WITH WARNING	S:
None Found		No w	rarnings found on HPD Priori	ty lists
SUBSTANCE NOTES: S	ee Material Notes.			
%: 1.0000 - 5.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Filler
HAZARDS:		AGE	NCY(IES) WITH WARNING	S:
CANCER	Japan - GHS		Carcinogenicity	- Category 1A
SUBSTANCE NOTES: S	See Material Notes.			
		%: 0.0000 - 1.0000 Residuals Considered manufacturer, limestone	d: Yes	D URL:
ot airborne.				
	ONES, DI-ME, ME HYDR	OGEN	ID: 68037	ź-59-2

LIMESTONE; CALCIUM	I CARBONATE		ID: 1317-6	65-3
%: 10.0000 - 25.0000	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Colorant
HAZARDS:		AGEN	CY(IES) WITH WARNINGS	5:
None Found		No wa	rnings found on HPD Priorit	y lists
SUBSTANCE NOTES: S	See Material Notes.			
POLYDIMETHYLSILOX	ANES		ID: 63148	-62-9
%: 10.0000 - 30.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGEN	CY(IES) WITH WARNINGS	S:
PBT	EC - CEPA D	SL	Persistent, Bioaccumulative and inherently Toxi (PBiTH) to humans	
SUBSTANCE NOTES: S	See Material Notes.			
2-BUTANONE, O,O',O"-	-(METHYLSILYLIDYNE)	TRIOXIME (8CI)(9CI)	ID: 22984	-54-9
%: 3.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: ingredient
HAZARDS:		AGEN	CY(IES) WITH WARNINGS	S:
HAZARDS.	None Found No warnings found on HPD Priority li		y lists	
		No wa	rnings found on HPD Priorit	
None Found	See Material Notes.	No wa	rnings found on HPD Priorit	
None Found SUBSTANCE NOTES: S FUMED SILICA, CRYST		No wa	rnings found on HPD Priorit ID: 11294	5-52-5
None Found SUBSTANCE NOTES: \$ FUMED SILICA, CRYST		No wa RC: None		5-52-5 ROLE: Additive
None Found SUBSTANCE NOTES: \$	TALLINE-FREE	RC: None	- ID: 11294	ROLE: Additive
None Found SUBSTANCE NOTES: \$ FUMED SILICA, CRYST %: 3.0000 - 9.0000	TALLINE-FREE	RC: None	ID: 11294 NANO: NO	ROLE: Additive

1,2-ETHANEDIAMINE,	N-(3-(TRIMETHOXYSIL)	YL)PROPYL)-(9CI)	ID: 1760	-24-3
%: 0.3000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: ingredient
HAZARDS:		AGENCY(IE	S) WITH WARNING	S:
None Found		No warnings	found on HPD Prior	rity lists
SUBSTANCE NOTES:	See Material Notes.			
BUTAN-2-ONE O,O',O'	'-(VINYLSILYLIDYNE)TR	IOXIME	ID: 2224	-33-1
%: 0.3000 - 1.0000	GS: BM-1	RC: None	NANO: NO	ROLE: ingredient
HAZARDS:		AGENCY(IE	S) WITH WARNING	S:
None Found		No warnings	found on HPD Prior	ity lists
SUBSTANCE NOTES:	See Material Notes.			
DIBUTYLTIN DILAURA	TE		ID: 77-58	3-7
%: 0.3000 - 1.5000	GS: LT-1	RC: None	NANO: NO	ROLE: Catalyst
HAZARDS:		AGENCY(IE	S) WITH WARNING	iS:
РВТ	OSPAR - Prie concern	prity PBTs & EDs & equivalent	PBT - Chemica	al for Priority Action
MULTIPLE	ChemSec - S	SIN List	CMR - Carcino Toxicant	gen, Mutagen &/or Reproductive
ENDOCRINE	ChemSec - S	SIN List	Endocrine Disr	uption
MULTIPLE	German FEA	- Substances Hazardous to Water	s Class 3 - Sever	re Hazard to Waters
REPRODUCTIVE	Japan - GHS		Toxic to reprod	luction - Category 1B
SUBSTANCE NOTES:	See Material Notes.			
OCTAMETHYLCYCLO			ID: 556-6	
%: 0.1000 - 0.3000	GS: BM-1	RC: None	NANO: NO	ROLE: reagent
HAZARDS:		AGENCY(IE	S) WITH WARNING	iS:
REPRODUCTIVE	EU - R-phras	es	R62 - Possible	risk of impaired fertility
ENDOCRINE	EU - Priority	Endocrine Disrupters	Category 1 - In Disruption Activ	vivo evidence of Endocrine vity

РВТ	EU - ESIS PBT	Under PBT evaluation
РВТ	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
РВТ	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)
РВТ	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
REPRODUCTIVE	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Wa	ters Class 3 - Severe Hazard to Waters
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - ongoing chemical (risk) assessment
SUBSTANCE NOTES: See	Material Notes.	
ADHESIVE #3 Inventory Threshold: 1000 ppm I Material Notes: polyurethane bas		
POLYURETHANE FOAMS		ID: 9009-54-5
%: 100.0000	GS: LT-UNK RC: None	NANO: NO ROLE: Main material
HAZARDS:	AGENCY	(IES) WITH WARNINGS:
None Found	No warnir	gs found on HPD Priority lists
	e exact chemistry is known but no CAS number could polyols. It was decided to add a generic CAS for polyu	
XYLENES		ID: 1330-20-7
%: Impurity/Residual	GS: BM-1 RC: None	NANO: NO ROLE: Impurity/Residual
HAZARDS:		(IES) WITH WARNINGS:
HAZARDS: MAMMALIAN		(IES) WITH WARNINGS: R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN	EU - R-phrases	R21 - Harmful in Contact with Skin
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Solvent that may be present in the final product after polymerization, due to incomplete vaporization.

DIBUTYLTIN DILAURAT	ΓE	ID: 77-58-7	
%: Impurity/Residual	GS: LT-1 RC: None	NANO: NO ROLE: Impurity/R	esidua
HAZARDS:	AGENC	(IES) WITH WARNINGS:	
РВТ	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action	
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reprodu Toxicant	ictive
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption	
MULTIPLE	German FEA - Substances Hazardous to W	aters Class 3 - Severe Hazard to Waters	
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B	
ETHYLBENZENE		ID: 100-41-4	
ETHYLBENZENE		ID: 100-41-4	
%: Impurity/Residual	GS: BM-2 RC: None	NANO: NO ROLE: Impurity/R	esidua
%: Impurity/Residual			esidua
		NANO: NO ROLE: Impurity/R	
HAZARDS:	AGENC	NANO: NO ROLE: Impurity/Ro (IES) WITH WARNINGS: R20 - Harmful by Inhalation (gas or vapor of	or
HAZARDS: MAMMALIAN	AGENC	NANO: NO ROLE: Impurity/Ro (IES) WITH WARNINGS: R20 - Harmful by Inhalation (gas or vapor of dust/mist)	or
HAZARDS: MAMMALIAN CANCER	AGENC ¹ EU - R-phrases IARC	NANO: NO ROLE: Impurity/Ro ((IES) WITH WARNINGS: R20 - Harmful by Inhalation (gas or vapor of dust/mist) Group 2b - Possibly carcinogenic to humar	or ns
HAZARDS: MAMMALIAN CANCER CANCER PHYSICAL HAZARD	AGENC EU - R-phrases IARC CA EPA - Prop 65	NANO: NO ROLE: Impurity/Ro ((IES) WITH WARNINGS: R20 - Harmful by Inhalation (gas or vapor of dust/mist) Group 2b - Possibly carcinogenic to human Carcinogen	or ns

SUBSTANCE NOTES: Solvent that may be present in the final product after polymerization, due to incomplete vaporization.

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.



This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

Section 5: General Notes

MANUFACTURER INFORMATION

MANUFACTURER: Norbec Architectural Inc./Norbec Systems Inc. CONTACT NAME: Daniel Fournier

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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet GHS SDS Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation GLO Global warming MAM Mammalian/systemic/organ toxicity MUL Multiple hazards NEU Neurotoxicity OZO Ozone depletion PBT Persistent Bioaccumulative Toxic

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspeci ed (insu cient data to benchmark)

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party) Independent Lab Manufacturer's self-declaration using results from an independent lab Second Party Verification by trade association or other interested party Third Party Verification by independent certifier Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.

PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

LT-P1 List Translator Possible Benchmark 1 LT-1 List Translator Likely Benchmark 1 LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) UNK Unknown (no data on List Translator Lists)