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

#### HPD UNIQUE IDENTIFIER: 27024

CLASSIFICATION: 07 42 43 Composite Wall Panels

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®-I. Noroc®-I has the width of 42½ in and vary thicknesses (4, 5, 6 and 8 in). The core comprises a non-combustible, rigid stone-fiber insulation board. The inner face and outer face are made of 26 gauge thickness steel sheets.

# 🟮 Section 1: Summary

#### **CONTENT INVENTORY**

- Inventory Reporting Format © Nested Materials Method © Basic Method
- **Threshold Disclosed Per**
- O Material
- O Product

- Threshold Level ○ 100 ppm ⊙ 1,000 ppm ○ Per GHS SDS ○ Other
- Residuals/Impurities Considered in 7 of 7 Materials
- Explanation(s) provided for Residuals/Impurities? • Yes O No

## **Nested Method / Product Threshold**

 All Substances Above the Threshold Indicated Are:

 Characterized
 O Yes Ex/SC O Yes O No

 % weight and role provided for all substances.

 Screened
 O Yes Ex/SC O Yes O No

 All substances screened using Priority Hazard Lists with results disclosed.

 Identified
 O Yes Ex/SC O Yes O No

 One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more

#### 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 [ PHENOL-FORMALDEHYDE **RESIN LT-P1 | RES HYDROGENATED STARCH HYDROLYSATE LT-**UNK WHITE MINERAL OIL LT-UNK MINERAL WOOL WITH FIBER DIAMETER > 6 µM (MINERAL WOOL) LT-UNK ] PRE-PAINTED GALVANIZED STEEL SHEETS [ IRON LT-P1 | END MANGANESE LT-P1 | END | MUL | REP NICKEL LT-1 | CAN | RES | MUL | SKI | MAM CHROMIUM LT-P1 | END | SKI | RES ZINC LT-P1 | END | MUL | PHY | AQU TITANIUM DIOXIDE LT-1 | CAN | END TERLON NoGS BUTYL ACRYLATE - HYDROXYETHYL ACRYLATE - METHYL METHACRYLATE COPOLYMER LT-UNK STRONTIUM CHROMATE LT-1 | CAN | SKI | MUL | DEV | REP | GEN | AQU MOLYBDENUM LT-UNK FATTY ACIDS, CASTOR-OIL, CAUSTIC-OXIDIZED, DISTN. RESIDUES, ESTERS WITH 1,3-BUTANEDIOL NoGS PHOSPHORIC ACID,COMPOUNDS,NICKEL(2+) ZINC SALT (2:1:2) LT-1 | CAN | RES ZINC PHOSPHATE LT-P1 | MUL | AQU 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE LT-P1 | END BISPHENOL A-**BISPHENOL A DIGLYCIDYL ETHER POLYMER LT-P1 | END 1,3,5-**TRIAZINE-2,4,6-TRIAMINE, POLYMER WITH FORMALDEHYDE, METHYLATED LT-UNK FATTY ACIDS, CASTOR-OIL, CAUSTIC-OXIDIZED, DISTN. RESIDUES, ESTERS WITH 1,3-BUTANEDIOL NoGS POLYVINYLIDENE FLUORIDE LT-UNK COPPER LT-UNK | AQU ] ADHESIVE#1 [ UNDISCLOSED LT-UNK UNDISCLOSED NoGS UNDISCLOSED BM-1 | END | SKI | CAN | MAM | REP | PHY UNDISCLOSED LT-UNK UNDISCLOSED BM-4 UNDISCLOSED LT-1 END | REP | DEV | MUL | GEN | CAN | MAM UNDISCLOSED LT-UNK UNDISCLOSED NoGS ] ADHESIVE #2 [ UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK | MUL | RES | CAN | SKI | EYE UNDISCLOSED LT-UNK | MUL | RES | CAN UNDISCLOSED LT-UNK | MUL | RES | SKI | EYE | CAN UNDISCLOSED LT-1 | CAN | END | MUL | MAM | SKI | EYE | Noroc

Number of Greenscreen BM-4/BM3 contents ... 1

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. Guidelines for reporting reaction products are still under development by HPDC. Norbec® Company will update the HPD accordingly once these guidelines get published. In this HPD, for adhesives, substances at or above the threshold, have been declared as unreacted. In the Noroc® panels configurations, adhesive #1 with hardness #1 or adhesive #2 with hardness #2 can be used. Substances present in Noroc® panels as well as known residuals and impurities, have been disclosed at 1,000 ppm. More details about how residuals and impurities were considered available in the appropriate sections. Some substances are proprietary, hence, they are not identified.

Special Condition did not follow guidance.

DEV | AQU | REP ] HARDENER #1 [ UNDISCLOSED LT-UNK | MUL | RES | CAN ] HARDENER #2 [ POLYMETHYLENE POLYPHENYL ISOCYANATE LT-UNK | MUL | RES | CAN ] SEALANT [ UNDISCLOSED BM-3dg UNDISCLOSED LT-UNK C13-14 ISOPARAFFIN BM-2 | CAN | MAM UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN UNDISCLOSED BM-1 | END | MUL | REP | SKI UNDISCLOSED LT-1 | CAN | END UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN | END UNDISCLOSED LT-UNK UNDISCLOSED NoGS UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK

## VOLATILE ORGANIC COMPOUND (VOC) CONTENT VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE** See Section 3 for additional listings.

VOC emissions: CDPH Standard Method - Not tested

#### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified? • Yes • No PREPARER: Vertima VERIFIER: VERIFICATION #: SCREENING DATE: 2022-01-07 PUBLISHED DATE: 2022-01-07 EXPIRY DATE: 2025-01-07 This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

FIRE-RATED INSULATING MATERIAL	%: 60.5400 - 61.1500	
PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: No	MATERIAL TYPE: Geologically Derived Material
RESIDUALS AND IMPURITIES NOTES: Ac reaction.	ccording to the manufacturer, there are no impurities.	Substances are consumed during the chemical
OTHER MATERIAL NOTES: Insulating mat vary as this HPD covers multiple configura	terials is a rigid mineral wool board designed for use ir ations and thicknesses of Noroc panels.	n sandwich panel systems. Weight percentage may

HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         RES       AOEC - Asthmagens       Asthmagen (Rs) - sensitizer-induced         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold         HYDROGENATED STARCH HYDROLYSATE       ID: 68425-17- 10: 68425-17- 10: 68425-17- 10: 68425-17- 10: 68425-17- 10: 68425-17- 10: 60000 - 1.0000         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:14:06         %: 0.0000 - 1.0000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Surface modifier         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold	PHENOL-FORMALDEHYDE RES	IN				ID: 9003-35-4
NAZARD TYPE     AGENCY AND LIST TITLES     WARNINGS       RES     AOEC - Asthmagens     Asthmagens (Rs) - sensitizer-induced       SUBSTANCE MOTES: Substance weight percentage intervals are used to oover different configurations and thicknesses of Nonce panels.       READABD SCREENING METHOD:     Pharos Chemical and Materials Library     MAZARD SCREENING METHOD:       None found     GS: LT-UNK     RC: None     NANO: No     SUBSTANCE ROLE: Surface modifier       MAZARD SCREENING METHOD:     Pharos Chemical and Materials Library     MAZARD SCREENING METHOD:     Pharos Chemical and Materials Library       MAZARD TYPE     AGENCY AND LIST TITLES     WARNINGS       None found     No warnings found on HPD Priority Hazard Library       SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels.       Residuals and impurities declared by the manufacturers are below the reporting threshold       WITTE MINERAL OL:     D: 802-87-80       Vietard DSCREENING METHOD:     Pharos Chemical and Materials Library     MAZARD SCREENING DATE: 2022-01-07 15:1407       %: 00000 - 0.2000     GS: LT-UNK     RC: None     NANO: No     SUBSTANCE ROLE: Water resistance       MAZARD TYPE     AGENCY AND LIST TITLES     WARNINGS     No warnings found on HPD Priority Hazard Library       SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Nonce panels. <t< th=""><th>HAZARD SCREENING METHOD:</th><th>Pharos Chemical and Materials Library</th><th>HAZARD SC</th><th>REENING DAT</th><th>E: 2022-01-07 15:14:0</th><th>5</th></t<>	HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DAT	E: 2022-01-07 15:14:0	5
RES       ADEC - Asthmagens       Asthmagen (Re) - sensitizer-induced         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels.       Nore South Content of South Co	%: 0.0000 - 3.0000	GS: <b>LT-P1</b>	RC: None	NANO: No	SUBSTANCE RC	LE: Binder
SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold         HYDROGENATED STARCH HYDROLYSATE         HAZARD SCREENING METHOD:         Pharos Chemical and Materials Library         HAZARD SCREENING METHOD:         None found         None found         None found         Note found         None found         None found         None found         Netrice MINERAL OIL         THITE MINERAL OIL         THITE MINERAL OIL         THAZARD SCREENING METHOD:         Pharos Chemical and Materials Library         HAZARD SCREENING METHOD:         Pharos Chemical and Materials Library         HAZARD TYPE         AGENCY AND LIST TITLES         WARNINGS         Nore found       No warnings found on HPD Priority Hazard Library         HAZARD TYPE       AGENCY AND LIST TITLES         SUB	HAZARD TYPE	AGENCY AND LIST TITLES	WAR	RNINGS		
Residuals and impurities declared by the manufacturers are below the reporting threshold   HYDROCENATED STARCH HYDROLYSATE ID: 6042617 HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-01-07 15: 14:06 %: 0.0000 - 1.0000 GS: LT-UNK RC: None None found None found NONE of the manufacturers are below the reporting threshold SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels. Rezervalues and impurities declared by the manufacturers are below the reporting threshold SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels. Rezervalues and impurities declared by the manufacturers are below the reporting threshold Reservalues and impurities declared by the manufacturers are below the reporting threshold Reservalues and impurities declared by the manufacturers are below the reporting threshold Reservalues and impurities declared by the manufacturers are below the reporting threshold Reservalues and impurities declared by the manufacturers are below the reporting threshold Reservalues and impurities declared by the recentage intervals are used to cover different configurations and thicknesses of Norce panels. Reservalues and impurities declared by the recentage intervals are used to cover different configurations and thicknesses of Norce panels. Reservalues and impurities declared by the recentage intervals are used to cover different configurations and thicknesses of Norce panels. Reservalues and impurities declared by the recentage intervals are used to cover different configurations and thicknesses of Norce panels. Reservalues and impurities declared by the recentage intervals are used to cover different configurations. Reservalues and imp	RES	AOEC - Asthmagens	Asth	nmagen (Rs) - s	sensitizer-induced	
HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:14:06         MAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES:       Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold       ID: 8042-07-         WHITE MINERAL OIL       ID: 8042-07-         WAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:14:07         %:       0.0000 - 0.2000       GS: LT-UNK       RC: None       No warnings found on HPD Priority Hazard Lists         MAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:14:07         %:       0.0000 - 0.2000       GS: LT-UNK       RC: None       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES:       Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels.       Residuals and impurities declared by the manufacturers are below the reporting threshold         WINERAL WOOL       ID: 66997-17       MAZARD SCREENING DATE:       2022-01-07 15:13:50         %: 0.0000 - 97.0000       GS: LT-				-	s and thicknesses of No	proc panels.
%: 0.0000 - 1.0000       GS: LT-UNK       RC: None       NANC: No       SUBSTANCE ROLE: Surface modifier         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels. Residuals and impurities declared by the manufacturers are below the reporting threshold         WHTE MINERAL OIL       ID: 8042-47.         FAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:14-07         %: 0.0000 - 0.2000       GS: LT-UNK       RC: None       No warnings found on HPD Priority Hazard Lists         None found       No warnings found on HPD Priority Hazard Lists       SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels. Residuals and impurities declared by the manufacturers are below the reporting threshold         WINERAL WOOL WITH FIBER DIAMETER > 6 µM (MINERAL WOOL)       ID: 65997-17         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:13:50         %: 0.0000 - 97.0000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Structure componer         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS       ID: 65997-17	HYDROGENATED STARCH HYD	ROLYSATE				ID: 68425-17-2
HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknessee of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold       ID: 802-47.         MAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:14:07         %: 0.0000 - 0.2000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Water resistance         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold       ID: 65997-17.         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:13:00         %: 0.0000 - 97.0000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Structure componer         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS       ID: 65997-17.         MUERAL WOOL WITH FIBER DIAMETER > 6 µM (MINERAL WOOL)       ID: 65997-107.       ID: 65997-107. <td>HAZARD SCREENING METHOD:</td> <td>Pharos Chemical and Materials Library</td> <td>HAZARD SC</td> <td>REENING DAT</td> <td>E: 2022-01-07 15:14:0</td> <td>6</td>	HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DAT	E: 2022-01-07 15:14:0	6
None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold         WHITE MINERAL OIL       ID: 8042-07-         MAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:14:07         %:       0.0000 - 0.2000       G.S: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE:       Water resistance         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels.       Residuals and impurities declared by the manufacturers are below the reporting threshold         WINERAL WOOL WITH FIBER DIAMETER > 6 µM (MINERAL WOOL)       ID: 65997-17-         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:13:00         %:       0.0000 - 97.0000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Structure componer         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage	%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: S	Surface modifier
SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold         WHITE MINERAL OIL       ID: 8042-47-         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:14:07         %: 0.0000 - 0.2000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Water resistance         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold         WINERAL WOOL WITH FIBER DIAMETER > 6 µM (MINERAL WOOL)       ID: 66997-17-         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:13:50         %: 0.0000 - 97.0000       GS: LT-UNK       RC: None       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations       and thicknesses of Norce panels.       Residuals         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations       <	HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS		
Residuals and impurities declared by the manufacturers are below the reporting threshold       D: 8042-47-         MHTE MINERAL OL       D: 8042-47-         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:14:07         %: 0.0000 - 0.2000       GS: LT-UNK       RC: None       NANC: No       SUBSTANCE ROLE:       Water resistance         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES:       Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold       Dis 6597-17-         MAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:13:50         %: 0.0000 - 97.0000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Structure componer         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS       No       No         None found       No warnings found on HPD Priority Hazard Lists       SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Norce panels. Residuals and impurities declared by the reporting threshold       No warnings found on HPD Priority Hazard Lists	None found			No warn	ings found on HPD Pric	ority Hazard Lists
HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:14:07         %: 0.0000 - 0.2000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE:       Water resistance         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES:       Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold       D: 65997-17-         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2022-01-07 15:13:50         %: 0.0000 - 97.0000       GS: LT-UNK       RC: None       NaNo: No       SUBSTANCE ROLE: Structure componer         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES:       Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold       SUBSTANCE NOTES:         SUBSTANCE NOTES:       Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold				-	s and thicknesses of Nc	proc panels.
%: 0.0000 - 0.2000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Water resistance         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold         MINERAL WOOL WITH FIBER DIAMETER > 6 µM (MINERAL WOOL)       D: 65997-17-         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE: 2022-01-07 15:13:50         %: 0.0000 - 97.0000       GS: LT-UNK       RC: None       No. No. SUBSTANCE ROLE: Structure component         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold         RE-PAINTED GALVANIZED STEEL SHEETS       %: 36.3200 - 36.6900         RECOUCT THRESHOLD: 1000 ppm       METHAL TYPE: Metal	WHITE MINERAL OIL					ID: 8042-47-
HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold       ID: 65997-17-         MINERAL WOOL WITH FIBER DIAMETER > 6 µM (MINERAL WOOL)       ID: 65997-17-         MAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE: 2022-01-07 15:13:50         %: 0.0000 - 97.0000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Structure componer         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold         RE-PAINTED GALVANIZED STEEL SHEETS       %: 36.3200 - 36.6900         RE-PAINTED GALVANIZED STEEL SHEETS       %: 36.3200 - 36.6900	HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DAT	E: 2022-01-07 15:14:0	7
None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold         WINERAL WOOL WITH FIBER DIAMETER > 6 µM (MINERAL WOOL)       ID: 65997-17-         TAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE: 2022-01-07 15:13:50         %: 0.0000 - 97.0000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Structure componer         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold         RE-PAINTED GALVANIZED STEEL SHEETS       %: 36.3200 - 36.6900         RE-PAINTED GALVANIZED STEEL SHEETS       %: 36.3200 - 36.6900         REOULT THRESHOLD: 1000 ppm       RESIDUALS AND IMPURITIES CONSIDERED: No       MATERIAL TYPE: Metal	%: 0.0000 - 0.2000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE:	Vater resistance
SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels.         Residuals and impurities declared by the manufacturers are below the reporting threshold         MINERAL WOOL WITH FIBER DIAMETER > 6 µM (MINERAL WOOL)       ID: 65997-17-         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE: 2022-01-07 15:13:50         %: 0.0000 - 97.0000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Structure componer         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold         RE-PAINTED GALVANIZED STEEL SHEETS       %: 36.3200 - 36.6900         RE-PAINTED GALVANIZED STEEL SHEETS       %: 36.3200 - 36.6900         RODUCT THRESHOLD: 1000 ppm       RESIDUALS AND IMPURITIES CONSIDERED: No       MATERIAL TYPE: Metal	HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS		
Residuals and impurities declared by the manufacturers are below the reporting threshold   ID: 65997-17-   HAZARD SCREENING METHOD:   Pharos Chemical and Materials Library   HAZARD SCREENING DATE:   2022-01-07 15:13:50   K: 0.0000 - 97.0000   GS:   LT-UNK   RC:   None   NONe found   None found   No warnings found on HPD Priority Hazard Lists   SUBSTANCE NOTES:   Substance weight percentage intervals are used to cover different configurations   and thicknesses of Noroc panels.   Re-PAINTED GALVANIZED STEEL SHEETS   %: 36.3200 - 36.6900   RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Metal	None found			No warn	ings found on HPD Pric	ority Hazard Lists
HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE: 2022-01-07 15:13:50         %: 0.0000 - 97.0000       GS: LT-UNK       RC: None       NANO: No       SUBSTANCE ROLE: Structure component         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES:       Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold         RE-PAINTED GALVANIZED STEEL SHEETS       %: 36.3200 - 36.6900         RC: NONE MODEL:       NO UPURITIES CONSIDERED: No					s and thicknesses of No	proc panels.
%: 0.0000 - 97.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component   HAZARD TYPE AGENCY AND LIST TITLES WARNINGS   None found No warnings found on HPD Priority Hazard Lists   SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold	MINERAL WOOL WITH FIBER DI	AMETER > 6 µM (MINERAL WOOL)				ID: 65997-17-
HAZARD TYPE AGENCY AND LIST TITLES WARNINGS   None found No warnings found on HPD Priority Hazard Lists   SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold	HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DAT	E: 2022-01-07 15:13:5	0
None found       No warnings found on HPD Priority Hazard Lists         SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold         RE-PAINTED GALVANIZED STEEL SHEETS       %: 36.3200 - 36.6900         RODUCT THRESHOLD: 1000 ppm       RESIDUALS AND IMPURITIES CONSIDERED: No       MATERIAL TYPE: Metal	%: 0.0000 - 97.0000	GS: LT-UNK	RC: None	NANO: No S	UBSTANCE ROLE: Stru	cture componer
SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold         RE-PAINTED GALVANIZED STEEL SHEETS       %: 36.3200 - 36.6900         RODUCT THRESHOLD: 1000 ppm       RESIDUALS AND IMPURITIES CONSIDERED: No       MATERIAL TYPE: Metal	HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS		
and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold RE-PAINTED GALVANIZED STEEL SHEETS %: 36.3200 - 36.6900 RODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Metal	None found			No warn	ings found on HPD Pric	ority Hazard Lists
RODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Metal	and thicknesses of Noroc panels	s. Residuals and impurities declared by the	e manufacturei	-		
						TYPE: Matal
COROACO AND MIL ONTHEO NOTEO. THEFE ALE NO NHOWIT INDURINES.						L I I I L. WIELdi

OTHER MATERIAL NOTES: Different suppliers of galvanized steel and different paints are used for Noroc panels. Weight percentage may vary as this HPD covers multiple configurations and thicknesses of Noroc panels. Galvanized steel represents 98% to 99,5% of prepainted sheets and the remaining is paint. An average composition of most common paint used for those panels has been used for the HPD preparation.

IRON		ID: 7439-89-6
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2022-01-07 15:13:30
%: 90.0000 - 95.0000	GS: <b>LT-P1</b>	RC: None NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Ranges are used to cover all Noroc panels product configurations and thicknesses. The percentage vary because, different pre-painted galvanized steel sheets suppliers have different recipes.

MANGANESE						ID: 7439-96-5
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARI	D SC	REENING DATE:	2022-01-07 15:13:38	
%: 2.0000 - 2.2300	GS: <b>LT-P1</b>	RC: Noi	пе	NANO: No	SUBSTANCE ROLE:	Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES		WAF	RNINGS		
END	TEDX - Potential Endocrine Disruptors	6	Pote	ential Endocrine I	Disruptor	
MUL	German FEA - Substances Hazardous Waters	to	Clas	ss 2 - Hazard to V	Vaters	
REP	GHS - Japan			0 - May damage oduction - Categ	fertility or the unborn o ory 1B]	child [Toxic to

NICKEL					ID: 7440-02-0
HAZARD SCREENING METHOD: Pharos Chem	nical and Materials Library	HAZARD SCF	REENING DATE:	2022-01-07 15:13:41	
%: 0.2000 - 0.2500	GS: <b>LT-1</b>	RC: None	NANO: No	SUBSTANCE ROLE: AI	loy element

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	МАК	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	CA EPA - Prop 65	Carcinogen
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RES	МАК	Sensitizing Substance Sah - Danger of airway & skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
МАМ	EU - GHS (H-Statements) Annex 6 Table 3-1	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]

SUBSTANCE NOTES: Ranges are used to cover all Noroc panels product types and thicknesses. The percentage vary because, different prepainted galvanized steel sheets suppliers have different recipes.

## CHROMIUM

ID: 7440-47-3

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZAR	D SCI	REENING DATE:	2022-01-07 15:13:40
%: 0.2000 - 0.6500	GS: <b>LT-P1</b>	RC: No	ne	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES		WAF	RNINGS	
END	TEDX - Potential Endocrine Disruptors	5	Pote	ential Endocrine	Disruptor
SKI	МАК		Sens	sitizing Substand	ce Sh - Danger of skin sensitization
RES	AOEC - Asthmagens		Asth	ımagen (Rs) - sei	nsitizer-induced

ZINC				ID: 7440-66-6
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2022-01-07 15:13:42
%: 0.1500 - 9.1000	GS: <b>LT-P1</b>	RC: None	NANO: No	SUBSTANCE ROLE: Galvanizing

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
РНҮ	EU - GHS (H-Statements) Annex 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
РНҮ	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]

SUBSTANCE NOTES: Ranges are used to cover all Noroc panels product configurations and thicknesses. The percentage vary because, different pre-painted galvanized steel sheets suppliers have different recipes.

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD	SCREENING DAT	E: 2022-01-07 15:13:41
%: 0.1500 - 0.4700	GS: <b>LT-1</b>	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifi
HAZARD TYPE	AGENCY AND LIST TITLES	١	WARNINGS	
CAN	US CDC - Occupational Carcinogens	(	Occupational Card	inogen
CAN	CA EPA - Prop 65	(	Carcinogen - spec	ific to chemical form or exposure rout
CAN	IARC		Group 2B - Possib from occupational	ly carcinogenic to humans - inhaled sources
CAN	МАК		• •	3A - Evidence of carcinogenic effects o establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	F	Potential Endocrin	e Disruptor
CAN	МАК		Carcinogen Group risk under MAK/B/	4 - Non-genotoxic carcinogen with lo AT levels
CAN	EU - GHS (H-Statements) Annex 6 Table		H351 - Suspected Category 2]	of causing cancer [Carcinogenicity -

TERLON				ID: 63148-69-6
HAZARD SCREENING METHOD	Pharos Chemical and Materials Library	HAZARD SC	REENING DAT	E: 2022-01-07 15:13:44
%: 0.1000 - 0.1300	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifier
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS	
None found			No warn	ings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are used to cover all Noroc panels product configurations and thicknesses. The percentage vary because,
different pre-painted galvanized steel sheets suppliers have different recipes.

BUTYL ACRYLATE - HYDROXYE METHACRYLATE COPOLYMER	THYL ACRYLATE - METHYL			ID: 25951-38-6
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DAT	E: 2022-01-07 15:13:43
%: 0.1000 - 0.1200	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifier
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS	
None found			No warn	ings found on HPD Priority Hazard Lists
0	re used to cover all Noroc panels product of steel sheets suppliers have different recip	0	and thickness	ses. The percentage vary because,

STRONTIUM CHROMATE					ID: 7789-06-2
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATI	E: 2022-01-07 15:13:45	
%: 0.0600 - 0.1000	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Sur	face modifier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
SKI	МАК	Sensitizing Substance Sh - Danger of skin sensitization
CAN	МАК	Carcinogen Group 1 - Substances that cause cancer in man
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	CA EPA - Prop 65	Carcinogen
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
DEV	CA EPA - Prop 65	Developmental toxicity
CAN	EU - SVHC Authorisation List	Carcinogenic - Candidate list
CAN	EU - SVHC Authorisation List	Carcinogenic - Banned unless Authorised
REP	CA EPA - Prop 65	Reproductive Toxicity - Female
REP	CA EPA - Prop 65	Reproductive Toxicity - Male
GEN	МАК	Germ Cell Mutagen 2
CAN	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Korea	H350 - May cause cancer [Carcinogenicity - Category 1]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]

IAZARD SCREENING METHO	D: Pharos Chemical and Materials Library	HAZARD SC	REENING DATE	2022-01-07 15:13	3:52
%: <b>0.0000 - 0.1000</b>	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE RO	LE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS		
None found			No warnir	ngs found on HPD F	Priority Hazard List
	s are used to cover all Noroc panels product o red steel sheets suppliers have different recip	-	and thicknesse	s. The percentage v	vary because,
ATTY ACIDS, CASTOR-OIL, ( STERS WITH 1,3-BUTANEDI	CAUSTIC-OXIDIZED, DISTN. RESIDUES, OL				ID: 113669-95
AZARD SCREENING METHO	D: Pharos Chemical and Materials Library	HAZARD SC	REENING DATE	2021-07-20 2:28	:53
6: <b>0.0000 - 0.1700</b>	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE	E: Surface modifie
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS		
None found			No warnir	ngs found on HPD F	Priority Hazard List
	JNDS,NICKEL(2+) ZINC SALT (2:1:2)         D: Pharos Chemical and Materials Library	HAZARD SC	CREENING DATE	: <b>2022-01-07 15:1</b> 4	
		HAZARD SC RC: None	CREENING DATE NANO: <b>No</b>	: 2022-01-07 15:14 SUBSTANCE ROLE	4:02
AZARD SCREENING METHO	D: Pharos Chemical and Materials Library	RC: None			4:02
IAZARD SCREENING METHO 6: <b>0.0000 - 0.1000</b> HAZARD TYPE	D: Pharos Chemical and Materials Library GS: LT-1	RC: None WA	NANO: <b>No</b> RNINGS		4:02 E: Surface modifie
HAZARD SCREENING METHO %: 0.0000 - 0.1000 HAZARD TYPE CAN	D: Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES IARC CA EPA - Prop 65	RC: None WA Gro Car	NANO: <b>No</b> RNINGS oup 1 - Agent is ( rcinogen	SUBSTANCE ROLE	4:02 E: Surface modifie
HAZARD SCREENING METHO 6: 0.0000 - 0.1000 HAZARD TYPE CAN CAN	D: Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES IARC	RC: None WA Gro Car Kno	NANO: <b>No</b> RNINGS oup 1 - Agent is ( rcinogen own to be a hum	SUBSTANCE ROLE	4:02 E: Surface modifie
AZARD SCREENING METHO	D: Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES IARC CA EPA - Prop 65	RC: None WA Gro Car Kno	NANO: <b>No</b> RNINGS oup 1 - Agent is ( rcinogen own to be a hum	SUBSTANCE ROLE	4:02 E: Surface modifie
AZARD SCREENING METHO 6: 0.0000 - 0.1000 HAZARD TYPE CAN CAN CAN RES SUBSTANCE NOTES: Ranges different pre-painted galvaniz	D: Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES IARC CA EPA - Prop 65 US NIH - Report on Carcinogens	RC: None WA Gro Car Kno Ast	NANO: <b>No</b> RNINGS oup 1 - Agent is ( rcinogen own to be a hum hmagen (Rs) - se	SUBSTANCE ROLE	4:02 E: Surface modifie nans
AZARD SCREENING METHOR 6: 0.0000 - 0.1000 HAZARD TYPE CAN CAN CAN RES SUBSTANCE NOTES: Rangee different pre-painted galvaniz	D: Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES IARC CA EPA - Prop 65 US NIH - Report on Carcinogens AOEC - Asthmagens s are used to cover all Noroc panels product of red steel sheets suppliers have different recip	RC: None WA Gro Car Kno Asti	NANO: <b>No</b> RNINGS oup 1 - Agent is ( crinogen own to be a hum hmagen (Rs) - se s and thicknesse	SUBSTANCE ROLE	4:02 E: Surface modifie nans /ary because, ID: 7779-90
AZARD SCREENING METHOR 6: 0.0000 - 0.1000 HAZARD TYPE CAN CAN CAN RES SUBSTANCE NOTES: Rangee different pre-painted galvaniz	D: Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES IARC CA EPA - Prop 65 US NIH - Report on Carcinogens AOEC - Asthmagens s are used to cover all Noroc panels product of	RC: None WA Gro Car Kno Asti	NANO: <b>No</b> RNINGS oup 1 - Agent is ( crinogen own to be a hum hmagen (Rs) - se s and thicknesse	SUBSTANCE ROLE	E: Surface modifie nans vary because, ID: 7779-90 4:01

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]

SUBSTANCE NOTES: Ranges are used to cover all Noroc panels product configurations and thicknesses. The percentage vary because, different pre-painted galvanized steel sheets suppliers have different recipes.

END	TEDX - Potential Endocrine Disruptors	Po	otential Endocrir	ne Disruptor
HAZARD TYPE	AGENCY AND LIST TITLES	W	ARNINGS	
%: 0.0000 - 0.1500	GS: <b>LT-P1</b>	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifier
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD S	CREENING DAT	TE: 2022-01-07 15:14:00
2,2,4-TRIMETHYL-1,3-PENTANE	DIOL DIISOBUTYRATE			ID: 6846-50-0

AZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DA	TE: 2022-01-07 15:13:5	59
: <b>0.0000 - 0.1700</b>	GS: <b>LT-P1</b>	RC: None	NANO: No	SUBSTANCE ROLE:	Surface modifie
HAZARD TYPE	AGENCY AND LIST TITLES	WA			
END	EU - Priority Endocrine Disruptors	Cat Act	e Disruption		
	are used to cover all Noroc panels product o	configurations	and thicknes	ses. The percentage var	rv because.
_	d steel sheets suppliers have different recip	-			,
different pre-painted galvanized		-			ID: 68002-20
different pre-painted galvanized 3,5-TRIAZINE-2,4,6-TRIAMINE IETHYLATED	d steel sheets suppliers have different recip	es.		TE: 2022-01-07 15:13:5	ID: 68002-20
different pre-painted galvanized 3,5-TRIAZINE-2,4,6-TRIAMINE IETHYLATED	d steel sheets suppliers have different recip	es.			ID: 68002-20
different pre-painted galvanized 3,5-TRIAZINE-2,4,6-TRIAMINE ETHYLATED AZARD SCREENING METHOD: : 0.0000 - 0.1100	d steel sheets suppliers have different recip E, POLYMER WITH FORMALDEHYDE, Pharos Chemical and Materials Library	es. HAZARD SC RC: None	REENING DA	TE: 2022-01-07 15:13:5	ID: 68002-20
different pre-painted galvanized 3,5-TRIAZINE-2,4,6-TRIAMINE ETHYLATED AZARD SCREENING METHOD:	d steel sheets suppliers have different recip E, POLYMER WITH FORMALDEHYDE, Pharos Chemical and Materials Library GS: LT-UNK	es. HAZARD SC RC: None	REENING DA NANO: <b>No</b> RNINGS	TE: 2022-01-07 15:13:5	ID: 68002-20 59 Surface modifie
different pre-painted galvanized 3,5-TRIAZINE-2,4,6-TRIAMINE ETHYLATED AZARD SCREENING METHOD: : 0.0000 - 0.1100 HAZARD TYPE None found	d steel sheets suppliers have different recip E, POLYMER WITH FORMALDEHYDE, Pharos Chemical and Materials Library GS: LT-UNK	es. HAZARD SC RC: None WA	REENING DA NANO: <b>No</b> RNINGS No war	TE: 2022-01-07 15:13:5 SUBSTANCE ROLE: S	ID: 68002-20 59 Surface modifie

AZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE	E: 2022-01-07 15:14:03
: <b>0.0000 - 0.3300</b>	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Surface modi
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS	
None found			No warnii	ngs found on HPD Priority Hazard L
_	re used to cover all Noroc panels product of steel sheets suppliers have different recip	-	s and thicknesse	es. The percentage vary because,
OLYVINYLIDENE FLUORIDE				ID: <b>24937</b> -
AZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE	E: 2022-01-07 15:13:57
: 0.0000 - 0.4000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Surface modi
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS	
None found			No warnii	ngs found on HPD Priority Hazard L
different pre-painted galvanized	I steel sheets suppliers have different recip	es.		ID: <b>7440</b> -
				-
			DEENIING DATE	- 2022 01 07 15:12:52
	Pharos Chemical and Materials Library GS: LT-UNK	HAZARD SO	NANO: No	
: 0.0000 - 0.2000	GS: LT-UNK	RC: None	NANO: No	E: 2022-01-07 15:13:53
AZARD SCREENING METHOD: 5: 0.0000 - 0.2000 HAZARD TYPE AQU		RC: None WA H4 [Ha	NANO: <b>No</b> RRNINGS 11 - Toxic to aqu	
: 0.0000 - 0.2000 HAZARD TYPE AQU SUBSTANCE NOTES: Ranges a	GS: LT-UNK	RC: None WA H4 [Ha Ca configuration	NANO: <b>No</b> ARNINGS 11 - Toxic to aqu azardous to the a tegory 2]	SUBSTANCE ROLE: Alloy eleme uatic life with long lasting effects aquatic environment (chronic) -
: 0.0000 - 0.2000 HAZARD TYPE AQU SUBSTANCE NOTES: Ranges a different pre-painted galvanized	GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) re used to cover all Noroc panels product of	RC: None WA H4 [Ha Ca configuration	NANO: <b>No</b> ARNINGS 11 - Toxic to aqu azardous to the a tegory 2]	SUBSTANCE ROLE: Alloy eleme uatic life with long lasting effects aquatic environment (chronic) -
: 0.0000 - 0.2000 HAZARD TYPE AQU SUBSTANCE NOTES: Ranges a	GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) re used to cover all Noroc panels product of steel sheets suppliers have different recip %: 1.9900 - 2.0000	RC: None WA H4 [Ha Ca configuration: es.	NANO: <b>No</b> ARNINGS 11 - Toxic to aquazardous to the a tegory 2] s and thicknesse	SUBSTANCE ROLE: Alloy eleme uatic life with long lasting effects aquatic environment (chronic) -
: 0.0000 - 0.2000 HAZARD TYPE AQU SUBSTANCE NOTES: Ranges a different pre-painted galvanized HESIVE#1	GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) re used to cover all Noroc panels product of steel sheets suppliers have different recip %: 1.9900 - 2.0000	RC: None WA H4 [Ha Ca configuration: es.	NANO: No ARNINGS 11 - Toxic to aquazardous to the a tegory 2] s and thicknesse	SUBSTANCE ROLE: Alloy eleme uatic life with long lasting effects aquatic environment (chronic) - es. The percentage vary because,
: 0.0000 - 0.2000 HAZARD TYPE AQU SUBSTANCE NOTES: Ranges a different pre-painted galvanized HESIVE#1 DDUCT THRESHOLD: 1000 ppm SIDUALS AND IMPURITIES NOT HER MATERIAL NOTES: Materia	GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) re used to cover all Noroc panels product of steel sheets suppliers have different recip %: 1.9900 - 2.0000	RC: None WA H4 [Ha Ca configuration: es. NSIDERED: Y the manufact	NANO: No ARNINGS 11 - Toxic to aquazardous to the a tegory 2] s and thicknesse 'es MA' urers are below to t configurations	SUBSTANCE ROLE: Alloy eleme uatic life with long lasting effects aquatic environment (chronic) - es. The percentage vary because, TERIAL TYPE: Polymeric Material the reporting threshold. and thicknesses of Noroc panels.
: 0.0000 - 0.2000 HAZARD TYPE AQU SUBSTANCE NOTES: Ranges a different pre-painted galvanized HESIVE#1 DDUCT THRESHOLD: 1000 ppm SIDUALS AND IMPURITIES NOT HER MATERIAL NOTES: Materia ifidential information regarding	GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) re used to cover all Noroc panels product of steel sheets suppliers have different recip %: 1.9900 - 2.0000 n RESIDUALS AND IMPURITIES CO TES: Residuals and impurities declared by to al weight percentage intervals are used to o	RC: None WA H4 [Ha Ca configuration: es. NSIDERED: Y the manufact	NANO: No ARNINGS 11 - Toxic to aquazardous to the a tegory 2] s and thicknesse 'es MA' urers are below to t configurations	SUBSTANCE ROLE: Alloy eleme uatic life with long lasting effects aquatic environment (chronic) - es. The percentage vary because, TERIAL TYPE: Polymeric Material the reporting threshold. and thicknesses of Noroc panels.
: 0.0000 - 0.2000 HAZARD TYPE AQU SUBSTANCE NOTES: Ranges a different pre-painted galvanized HESIVE#1 DDUCT THRESHOLD: 1000 ppm SIDUALS AND IMPURITIES NOT HER MATERIAL NOTES: Materia offidential information regarding NDISCLOSED	GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) re used to cover all Noroc panels product of steel sheets suppliers have different recip %: 1.9900 - 2.0000 n RESIDUALS AND IMPURITIES CO TES: Residuals and impurities declared by to al weight percentage intervals are used to o	RC: None WA H4 [Ha Ca configuration: es. NSIDERED: Y the manufact cover differen hense, substa	NANO: No ARNINGS 11 - Toxic to aquazardous to the a tegory 2] s and thicknesse 'es MA' urers are below t t configurations ances are undisc	SUBSTANCE ROLE: Alloy eleme uatic life with long lasting effects aquatic environment (chronic) - es. The percentage vary because, TERIAL TYPE: Polymeric Material the reporting threshold. and thicknesses of Noroc panels. losed.
: 0.0000 - 0.2000 HAZARD TYPE AQU SUBSTANCE NOTES: Ranges a different pre-painted galvanized HESIVE#1 DDUCT THRESHOLD: 1000 ppm SIDUALS AND IMPURITIES NOT HER MATERIAL NOTES: Materia difdential information regarding NDISCLOSED	GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) Tre used to cover all Noroc panels product of steel sheets suppliers have different recip %: 1.9900 - 2.0000 M RESIDUALS AND IMPURITIES CO TES: Residuals and impurities declared by the al weight percentage intervals are used to de adhesive substances have been retained, h	RC: None WA H4 [Ha Ca configuration: es. NSIDERED: Y the manufact cover differen hense, substa	NANO: No ARNINGS 11 - Toxic to aquazardous to the a tegory 2] s and thicknesse 'es MA' urers are below t t configurations unces are undisc	SUBSTANCE ROLE: Alloy eleme uatic life with long lasting effects aquatic environment (chronic) - es. The percentage vary because, TERIAL TYPE: Polymeric Material the reporting threshold. and thicknesses of Noroc panels. losed. ID: Undisclos
: 0.0000 - 0.2000 HAZARD TYPE AQU SUBSTANCE NOTES: Ranges a different pre-painted galvanized HESIVE#1 DDUCT THRESHOLD: 1000 ppm SIDUALS AND IMPURITIES NOT HER MATERIAL NOTES: Materia difdential information regarding NDISCLOSED	GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) re used to cover all Noroc panels product of steel sheets suppliers have different recip %: 1.9900 - 2.0000 n RESIDUALS AND IMPURITIES CO TES: Residuals and impurities declared by f al weight percentage intervals are used to o adhesive substances have been retained, h	RC: None WA H4 [Ha Ca configuration: es. NSIDERED: Y the manufact cover different nense, substa HAZARD SC RC: None	NANO: No ARNINGS 11 - Toxic to aquazardous to the a tegory 2] s and thicknesse 'es MA' urers are below t t configurations unces are undisc	SUBSTANCE ROLE: Alloy eleme uatic life with long lasting effects aquatic environment (chronic) - es. The percentage vary because, the percentage vary because, TERIAL TYPE: Polymeric Material the reporting threshold. and thicknesses of Noroc panels. losed. ID: Undisclos E: 2021-07-12 19:23:33

	ISCL	OSED
OILD		

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-07-12 19:28:50		
%: 0.0000 - 27.4000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS	
None found			No warn	ings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are used to cover all Noroc panel product configurations and thicknesses. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

UN	DIS	SCL	<b>OS</b>	ED	

ID: Undisclosed

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZA	RD SCF	REENING DATE:	2021-07-12 19:39:06
%: 0.0000 - 0.6000	GS: <b>BM-1</b>	RC: N	lone	NANO: No	SUBSTANCE ROLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES		WARN	IINGS	
END	TEDX - Potential Endocrine Disruptors		Potent	tial Endocrine Di	sruptor
SKI	МАК	МАК			Sh - Danger of skin sensitization
CAN	CA EPA - Prop 65		Carcinogen		
CAN	МАК		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
CAN	IARC		Group	2b - Possibly ca	arcinogenic to humans
MAM	EU - GHS (H-Statements)		H304 - May be fatal if swallowed and enters airways		
REP	GHS - Japan		Toxic	to reproduction	- Category 1B [H360]
REP	GHS - Japan		Toxic	to reproduction	- Category 1A [H360]
PHY	EU - GHS (H-Statements)		H225 -	- Highly flammab	ble liquid and vapour

SUBSTANCE NOTES: Ranges are used to cover all Noroc panel product configurations and thicknesses. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHO	Pharos Chemical and Materials Library	HAZARD SCI	REENING DATE:	2021-07-12 19:42:37
%: 0.0000 - 54.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES	WARM	NINGS	
None found			No warnings	found on HPD Priority Hazard Lists
	are used to cover all Noroc panel product c	-	nd thicknesses.	Confidential information regarding
•	are used to cover all Noroc panel product contract en retained; hence, substances are undisclos	-	nd thicknesses.	Confidential information regarding ID: Undisclosed
adhesive substances have be UNDISCLOSED		sed.		

No warnings found on HPD Priority Hazard Lists

None found

SUBSTANCE NOTES: Ranges are used to cover all Noroc panel product configurations and thicknesses. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

UNDISCLOSED						ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZA	ARD SCR	EENING DATE:	2021-07-12 20:02	2:58
%: 0.0000 - 2.6000	GS: <b>LT-1</b>	RC:	None	NANO: No	SUBSTANCE R	OLE: Solvent
HAZARD TYPE	AGENCY AND LIST TITLES		WARN	INGS		
END	TEDX - Potential Endocrine Disruptors		Potent	ial Endocrine Di	sruptor	
END	ChemSec - SIN List		Endoc	rine Disruption		
REP	EU - GHS (H-Statements)		H360F child	D - May damage	e fertility. May dam	age the unborn
DEV	МАК		Pregna	ancy Risk Group	В	
REP	EU - Annex VI CMRs		Repro	ductive Toxicity	- Category 1B	
MUL	ChemSec - SIN List		CMR -	Carcinogen, Mu	itagen &/or Repro	ductive Toxicant
MUL	German FEA - Substances Hazardous Waters	to	Class	3 - Severe Hazar	rd to Waters	
GEN	EU - GHS (H-Statements)		H341 -	Suspected of c	ausing genetic def	fects
CAN	МАК			ogen Group 4 - k under MAK/BA	Non-genotoxic ca AT levels	rcinogen with
МАМ	EU - GHS (H-Statements)			Causes damage ed exposure	e to organs throug	h prolonged or
REP	EU - REACH Annex XVII CMRs		should	•	Category 2 - Subs if they impair ferti y in humans	
REP	GHS - Japan		Toxic t	o reproduction	- Category 1B [H36	60]
REP	GHS - Australia		H360F child	D - May damage	e fertility. May dam	age the unborn

SUBSTANCE NOTES: Ranges are used to cover all Noroc panel product configurations and thicknesses. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2022-01-07 15:13:49
%: 0.0000 - 0.5000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES	WARN	IINGS	
None found			No warnings	found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold

UNDISCLOSED					ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2022-01-07 1	5:13:48
%: 0.0000 - 0.5000	GS: NoGS	RC: None	NANO: No	SUBSTANCE	ROLE: Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS		
None found			No warnings	found on HPD	Priority Hazard Lists
	e weight percentage intervals are used to a s. Residuals and impurities declared by the		-	reporting thres	nold
ADHESIVE #2	%: 1.6100 - 1.6200				
RODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CO	NSIDERED: Y	es MAT	ERIAL TYPE: P	olymeric Material
RESIDUALS AND IMPURITIES NOT	ES: Residuals and impurities declared by				
RESIDUALS AND IMPURITIES NOT		cover different	configurations a	nd thicknesses	of Noroc panels.
RESIDUALS AND IMPURITIES NOT OTHER MATERIAL NOTES: Materia Confidential information regarding UNDISCLOSED	ES: Residuals and impurities declared by a	cover different nense, substar	configurations a	nd thicknesses	of Noroc panels. ID: Undisclosed
RESIDUALS AND IMPURITIES NOT OTHER MATERIAL NOTES: Materia Confidential information regarding UNDISCLOSED	ES: Residuals and impurities declared by a al weight percentage intervals are used to a adhesive substances have been retained, h	cover different nense, substar	configurations a nces are undisclo REENING DATE:	nd thicknesses osed. 2022-01-07 1	of Noroc panels. ID: Undisclosed
ESIDUALS AND IMPURITIES NOT THER MATERIAL NOTES: Materia confidential information regarding UNDISCLOSED HAZARD SCREENING METHOD:	ES: Residuals and impurities declared by a al weight percentage intervals are used to a adhesive substances have been retained, here a Pharos Chemical and Materials Library	HAZARD SC RC: <b>None</b>	configurations a nces are undisclo REENING DATE:	nd thicknesses osed. 2022-01-07 1	of Noroc panels. ID: Undisclosed
RESIDUALS AND IMPURITIES NOT OTHER MATERIAL NOTES: Materia Confidential information regarding UNDISCLOSED HAZARD SCREENING METHOD: %: 40.0000 - 70.0000	TES: Residuals and impurities declared by the al weight percentage intervals are used to declare use the substances have been retained, here the substances have been retained, here the substances and Materials Library GS: LT-UNK	HAZARD SC RC: <b>None</b>	Configurations a notes are undisclo REENING DATE: NANO: <b>No</b> NINGS	nd thicknesses osed. 2022-01-07 1 SUBSTANCE F	of Noroc panels. ID: Undisclose 5:13:33 ROLE: Intermediate
RESIDUALS AND IMPURITIES NOT OTHER MATERIAL NOTES: Materia Confidential information regarding a UNDISCLOSED HAZARD SCREENING METHOD: %: 40.0000 - 70.0000 HAZARD TYPE None found SUBSTANCE NOTES: Substance Residuals and impurities declared	TES: Residuals and impurities declared by the al weight percentage intervals are used to declare use the substances have been retained, here the substances have been retained, here the substances and Materials Library GS: LT-UNK	HAZARD SC RC: None WAR	REENING DATE: NANO: <b>No</b> NINGS No warnings	nd thicknesses bsed. 2022-01-07 1 SUBSTANCE F found on HPD ind thicknesses	of Noroc panels. ID: Undisclose 5:13:33 ROLE: Intermediate Priority Hazard Lists
RESIDUALS AND IMPURITIES NOT DTHER MATERIAL NOTES: Materia Confidential information regarding a UNDISCLOSED HAZARD SCREENING METHOD: %: 40.0000 - 70.0000 HAZARD TYPE None found SUBSTANCE NOTES: Substanc Residuals and impurities declared	TES: Residuals and impurities declared by the manufacturers are used to deadhesive substances have been retained, here the substances have been retained, here the substances have been retained. The substances have been retained and the sive substances have been retained, here the substances have been retained. The substances have been retained and the sive substances have been retained, here the substances have been retained. The substances have been retained and the sive substances have been retained and the substances have been retained. The substances have been retained and the substances have been retained and the substances have been retained. The substances have been retained and the substances have been retained and the substances have been retained and the substances have been retained. The substances have been retained and the substances have been retained and the substances have been retained. The substances have been retained and the substances have been retained and the substances have been retained. The substances have been retained and the substances have been retained and the substances have been retained. The substances have been retained and the substances have been retained and the substances have been retained and the substances have been retained. The substances have been retained and the substances have been retained and the substances have been retained and the substances have been retained. The substances have been retained and t	HAZARD SC RC: None WAR	REENING DATE: NANO: <b>No</b> NINGS No warnings	nd thicknesses bsed. 2022-01-07 1 SUBSTANCE F found on HPD ind thicknesses	of Noroc panels. ID: Undisclosed 5:13:33 ROLE: Intermediate Priority Hazard Lists

%: 15.0000 - 25.0000

GS: LT-UNK

RC: None NANO: No

Io SUBSTANCE ROLE: Reagent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	МАК	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RES	МАК	Sensitizing Substance Sah - Danger of airway & skin sensitization
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
RES	EU - GHS (H-Statements) Annex 6 Table 3-1	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

#### UNDISCLOSED **ID: Undisclosed** HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-01-07 15:13:37 %: 10.0000 - 30.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species HAZARD TYPE AGENCY AND LIST TITLES WARNINGS MUL **US EPA - PPT Chemical Action Plans** EPA Chemical of Concern - Action Plan published RES **AOEC - Asthmagens** Asthmagen (G) - generally accepted CAN MAK Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels RES MAK Sensitizing Substance Sah - Danger of airway & skin sensitization RES **US EPA - PPT Chemical Action Plans** Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD S	CREENING DA	ATE: 2022-01-07 15:13:39
%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
RES	EU - GHS (H-Statements) Annex 6 Table 3-1	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2021-07-13 21:03:39
%: 0.0000 - 0.5000	GS: <b>LT-1</b>	RC: None	NANO: No	SUBSTANCE ROLE: Desiccant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	EU - GHS (H-Statements)	H350 - May cause cancer
CAN	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	CA EPA - Prop 65	Carcinogen
MAM	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAM	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
MAM	EU - GHS (H-Statements)	H331 - Toxic if inhaled
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
CAN	МАК	Carcinogen Group 2 - Considered to be carcinogenic for man
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans
DEV	CA EPA - Prop 65	Developmental toxicity
AQU	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
REP	CA EPA - Prop 65	Reproductive Toxicity - Male
END	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
CAN	GHS - Australia	H350 - May cause cancer
CAN	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CAN	GHS - Korea	Carcinogenicity - Category 1 [H350 - May cause cancer]
CAN	GHS - Malaysia	H350 - May cause cancer
CAN	GHS - Japan	Carcinogenicity - Category 1B [H350]
CAN	US EPA - IRIS Carcinogens	(1999, 2005) Likely to be Carcinogenic to humans

SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Residuals and impurities declared by the manufacturers are below the reporting threshold. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

## HARDENER #1

%: 0.8100 - 0.8200

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities declared by the manufacturers are below the reporting threshold.

OTHER MATERIAL NOTES: Material weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Confidential information regarding hardener #1 substances have been retained, hense, substances are undisclosed.

UNDISCLOSED					ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZAR	D SCR	EENING DATE:	2022-01-07 15:13:28
%: 100.0000	GS: LT-UNK	RC: Nor	пе	NANO: No	SUBSTANCE ROLE: Activator
HAZARD TYPE	AGENCY AND LIST TITLES	V	VARNI	NGS	
MUL	US EPA - PPT Chemical Action Plans	E	EPA Cł	nemical of Conc	ern - Action Plan published
RES	AOEC - Asthmagens	A	Asthma	agen (G) - gener	ally accepted
CAN	МАК			ogen Group 4 - k under MAK/BA	Non-genotoxic carcinogen with AT levels
RES	МАК		Sensiti sensitiz	0	Sah - Danger of airway & skin
RES	US EPA - PPT Chemical Action Plans	h	nhalat	ion sensitizer ca	ausing asthma and lung damage

SUBSTANCE NOTES: Residuals and impurities declared by the manufacturers are below the reporting threshold. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

#### HARDENER #2

%: 0.5370 - 0.5390

PRODUCT THRESHOLD: 1000 ppm

,......

1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities declared by the manufacturers are below the reporting threshold.

OTHER MATERIAL NOTES: Material weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Confidential information regarding hardener #2 substances have been retained, hense, substances are undisclosed.

#### POLYMETHYLENE POLYPHENYL ISOCYANATE

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZA	RD SCR	EENING DATE:	2022-01-07 15:13:29
%: 100.0000	GS: LT-UNK	RC: N	one	NANO: No	SUBSTANCE ROLE: Activator
HAZARD TYPE	AGENCY AND LIST TITLES		WARN	INGS	
MUL	US EPA - PPT Chemical Action Plans		EPA C	hemical of Conc	ern - Action Plan published
RES	AOEC - Asthmagens		Asthm	agen (G) - gener	ally accepted
CAN	МАК			ogen Group 4 - k under MAK/BA	Non-genotoxic carcinogen with AT levels
RES	МАК		Sensiti sensiti	0	Sah - Danger of airway & skin
RES	US EPA - PPT Chemical Action Plans		Inhalat	ion sensitizer ca	ausing asthma and lung damage

SUBSTANCE NOTES: Residuals and impurities declared by the manufacturers are below the reporting threshold.

SEALANT

ID: 9016-87-9

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities declared by the manufacturers are below the reporting threshold.

OTHER MATERIAL NOTES: Material weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Confidential information regarding sealant substances have been retained, hense, substances are undisclosed.

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2022-01-07 15:1	3:32
%: 40.0000 - 50.0000	GS: BM-3dg	RC: None	NANO: No	SUBSTANCE RC	LE: Desiccant
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS		
None found			No warnings	found on HPD Prie	ority Hazard List
	re used to cover all Noroc panel product contraction retained; hence, substances are undisclos	-	and thicknesses.	Confidential inforr	nation regarding
UNDISCLOSED					ID: Undisclos
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2022-01-07 15:1	3:34
%: 20.0000 - 30.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE R	DLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES	WARI	NINGS		
None found			No warnings	found on HPD Prie	ority Hazard List
Confidential information regardin	veight percentage intervals are used to cov ng adhesive substances have been retaine Pharos Chemical and Materials Library	d; hence, subs	stances are undi	sclosed.	ID: 64742-4
Confidential information regardin	ng adhesive substances have been retaine	d; hence, subs	stances are undi	sclosed. 2022-01-07 15:1	ID: 64742-47 3:35
Confidential information regardin C13-14 ISOPARAFFIN HAZARD SCREENING METHOD: %: 10.0000 - 20.0000	ng adhesive substances have been retaine Pharos Chemical and Materials Library GS: BM-2	d; hence, subs HAZARD SC RC: None	stances are undis REENING DATE: NANO: <b>No</b>	sclosed.	ID: 64742-47 3:35
Confidential information regardin C13-14 ISOPARAFFIN HAZARD SCREENING METHOD: %: 10.0000 - 20.0000 HAZARD TYPE	ng adhesive substances have been retainer Pharos Chemical and Materials Library GS: BM-2 AGENCY AND LIST TITLES	d; hence, subs HAZARD SC RC: None	stances are undis	sclosed. 2022-01-07 15:1	ID: 64742-47 3:35
Confidential information regardin C13-14 ISOPARAFFIN HAZARD SCREENING METHOD: %: 10.0000 - 20.0000	ng adhesive substances have been retaine Pharos Chemical and Materials Library GS: BM-2	d; hence, subs HAZARD SC RC: None WARI Carcin	REENING DATE: NANO: <b>No</b> NINGS	SUBSTANCE R	ID: 64742-47 3:35 OLE: Solvent
Confidential information regardin C13-14 ISOPARAFFIN HAZARD SCREENING METHOD: %: 10.0000 - 20.0000 HAZARD TYPE	ng adhesive substances have been retainer Pharos Chemical and Materials Library GS: BM-2 AGENCY AND LIST TITLES	d; hence, subs HAZARD SC RC: None WAR! Carcin but no e 3-1 H304	REENING DATE: NANO: <b>No</b> NINGS nogen Group 3B ot sufficient for c	2022-01-07 15:1: SUBSTANCE R - Evidence of card lassification swallowed and en	ID: 64742-4 3:35 OLE: Solvent
Confidential information regardia C13-14 ISOPARAFFIN HAZARD SCREENING METHOD: %: 10.0000 - 20.0000 HAZARD TYPE CAN MAM	Pharos Chemical and Materials Library GS: BM-2 AGENCY AND LIST TITLES MAK	d; hence, subs HAZARD SC RC: None WARI Carcin but no e 3-1 H304 [Aspir	REENING DATE: NANO: <b>No</b> NINGS nogen Group 3B ot sufficient for c - May be fatal if ration hazard - C	2022-01-07 15:1 SUBSTANCE R - Evidence of card lassification swallowed and en ategory 1]	ID: 64742-4 3:35 OLE: Solvent cinogenic effect ters airways
Confidential information regardia C13-14 ISOPARAFFIN HAZARD SCREENING METHOD: %: 10.0000 - 20.0000 HAZARD TYPE CAN MAM	Pharos Chemical and Materials Library GS: BM-2 AGENCY AND LIST TITLES MAK EU - GHS (H-Statements) Annex 6 Tabl	d; hence, subs HAZARD SC RC: None WARI Carcin but no e 3-1 H304 [Aspir	REENING DATE: NANO: <b>No</b> NINGS nogen Group 3B ot sufficient for c - May be fatal if ration hazard - C	2022-01-07 15:1 SUBSTANCE R - Evidence of card lassification swallowed and en ategory 1]	ID: 64742-4 3:35 OLE: Solvent inogenic effect ters airways Noroc panels.
Confidential information regardia C13-14 ISOPARAFFIN HAZARD SCREENING METHOD: %: 10.0000 - 20.0000 HAZARD TYPE CAN MAM SUBSTANCE NOTES: Substanc UNDISCLOSED	Pharos Chemical and Materials Library GS: BM-2 AGENCY AND LIST TITLES MAK EU - GHS (H-Statements) Annex 6 Tabl	d; hence, subs HAZARD SC RC: None WARI Carcin but no e 3-1 H304 [Aspir cover different	REENING DATE: NANO: <b>No</b> NINGS nogen Group 3B ot sufficient for c - May be fatal if ration hazard - C configurations a	2022-01-07 15:1: SUBSTANCE R - Evidence of card lassification swallowed and en ategory 1] and thicknesses of	ID: 64742-47 3:35 OLE: Solvent inogenic effect: ters airways Noroc panels. ID: Undisclos
Confidential information regardia C13-14 ISOPARAFFIN HAZARD SCREENING METHOD: %: 10.0000 - 20.0000 HAZARD TYPE CAN MAM SUBSTANCE NOTES: Substanc UNDISCLOSED	Pharos Chemical and Materials Library GS: BM-2 AGENCY AND LIST TITLES MAK EU - GHS (H-Statements) Annex 6 Tabl e weight percentage intervals are used to a	d; hence, subs HAZARD SC RC: None WARI Carcin but no e 3-1 H304 [Aspir cover different	REENING DATE: NANO: <b>No</b> NINGS nogen Group 3B ot sufficient for c - May be fatal if ration hazard - C configurations a	2022-01-07 15:1: SUBSTANCE R - Evidence of card lassification swallowed and en ategory 1] and thicknesses of	ID: 64742-43 3:35 OLE: Solvent cinogenic effect ters airways Noroc panels. ID: Undisclos 4:04
Confidential information regardin C13-14 ISOPARAFFIN HAZARD SCREENING METHOD: %: 10.0000 - 20.0000 HAZARD TYPE CAN MAM SUBSTANCE NOTES: Substanc UNDISCLOSED HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library GS: BM-2 AGENCY AND LIST TITLES MAK EU - GHS (H-Statements) Annex 6 Tabl e weight percentage intervals are used to e Pharos Chemical and Materials Library	d; hence, subs HAZARD SC RC: None WARI Carcin but no e 3-1 H304 [Aspir cover different HAZARD SC RC: None	REENING DATE: NANO: <b>No</b> NINGS nogen Group 3B ot sufficient for c - May be fatal if ration hazard - C configurations a	2022-01-07 15:1: SUBSTANCE R - Evidence of card lassification swallowed and en ategory 1] Ind thicknesses of 2022-01-07 15:1:	ID: 64742-43 3:35 OLE: Solvent cinogenic effect ters airways Noroc panels. ID: Undisclos 4:04

Noroc

AZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2022-01-07 15:14:11
%: <b>0.0000 - 5.0000</b>	GS: <b>LT-P1</b>	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
HAZARD TYPE	AGENCY AND LIST TITLES	WARN	IINGS	
None found			No warnings	found on HPD Priority Hazard Lis
	e weight percentage intervals are used to on ng adhesive substances have been retaine		-	
INDISCLOSED				ID: Undisclos
AZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2021-07-20 2:47:48
6: <b>0.0000 - 5.0000</b>	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Monomer
HAZARD TYPE	AGENCY AND LIST TITLES	WARN	IINGS	
None found			No warnings	found on HPD Priority Hazard Lis
Confidential information regardi	e weight percentage intervals are used to on ng adhesive substances have been retaine		-	
Confidential information regardi		d; hence, subs	tances are undis	ID: Undisclos
Confidential information regardi INDISCLOSED IAZARD SCREENING METHOD:	ng adhesive substances have been retaine	d; hence, subs	tances are undis	ID: Undisclos
Confidential information regardi INDISCLOSED IAZARD SCREENING METHOD: 6: 0.0000 - 1.0000	ng adhesive substances have been retaine Pharos Chemical and Materials Library	d; hence, subs	tances are undis REENING DATE: NANO: <b>No</b>	ID: Undisclos 2021-07-12 18:51:03
Confidential information regardi INDISCLOSED IAZARD SCREENING METHOD: 6: 0.0000 - 1.0000 HAZARD TYPE	ng adhesive substances have been retaine Pharos Chemical and Materials Library GS: LT-1	d; hence, subs HAZARD SCF RC: None WARN	tances are undis REENING DATE: NANO: <b>No</b>	ID: Undisclos 2021-07-12 18:51:03 SUBSTANCE ROLE: Reagent
Confidential information regardi INDISCLOSED IAZARD SCREENING METHOD: 6: 0.0000 - 1.0000 HAZARD TYPE CAN	Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES	d; hence, subs HAZARD SCF RC: None WARN Occup	tances are undis REENING DATE: NANO: No IINGS pational Carcinog	ID: Undisclos 2021-07-12 18:51:03 SUBSTANCE ROLE: Reagent
Confidential information regardi NDISCLOSED AZARD SCREENING METHOD: 6: 0.0000 - 1.0000 HAZARD TYPE CAN CAN	Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES US CDC - Occupational Carcinogens	HAZARD SCF RC: None WARN Occup Carcir Know	tances are undis REENING DATE: NANO: <b>No</b> IINGS pational Carcinog	ID: Undisclos 2021-07-12 18:51:03 SUBSTANCE ROLE: Reagent gen
Confidential information regardi NDISCLOSED AZARD SCREENING METHOD: 5: 0.0000 - 1.0000 HAZARD TYPE CAN CAN CAN	Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES US CDC - Occupational Carcinogens CA EPA - Prop 65	HAZARD SCF RC: None WARN Occup Carcir Known occup	REENING DATE: NANO: <b>No</b> IINGS Dational Carcinog nogen - specific to n to be Human C ational setting)	ID: Undisclos 2021-07-12 18:51:03 SUBSTANCE ROLE: Reagent gen to chemical form or exposure rout
Confidential information regardi NDISCLOSED AZARD SCREENING METHOD: 6: 0.0000 - 1.0000 HAZARD TYPE CAN CAN CAN	Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES US CDC - Occupational Carcinogens CA EPA - Prop 65 US NIH - Report on Carcinogens	HAZARD SCF RC: None WARN Occup Carcin Known occup Carcin man Group	tances are undis REENING DATE: NANO: <b>No</b> IINGS Dational Carcinog nogen - specific to n to be Human C ational setting)	ID: Undisclos 2021-07-12 18:51:03 SUBSTANCE ROLE: Reagent to chemical form or exposure rout carcinogen (respirable size - Substances that cause cancer in cinogenic to humans - inhaled
Confidential information regardi INDISCLOSED IAZARD SCREENING METHOD: 6: 0.0000 - 1.0000 HAZARD TYPE CAN CAN CAN CAN	Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES US CDC - Occupational Carcinogens CA EPA - Prop 65 US NIH - Report on Carcinogens MAK	HAZARD SCF RC: None WARN Occup Carcir Known occup Carcir man Group from c	tances are undis REENING DATE: NANO: <b>No</b> IINGS pational Carcinog nogen - specific to ational setting) nogen Group 1 - 1 - Agent is care occupational sou	ID: Undisclos 2021-07-12 18:51:03 SUBSTANCE ROLE: Reagent to chemical form or exposure rout carcinogen (respirable size - Substances that cause cancer in cinogenic to humans - inhaled
Confidential information regardi INDISCLOSED IAZARD SCREENING METHOD: 6: 0.0000 - 1.0000 HAZARD TYPE CAN CAN CAN CAN CAN	Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES US CDC - Occupational Carcinogens CA EPA - Prop 65 US NIH - Report on Carcinogens MAK IARC	HAZARD SCF RC: None WARN Occup Carcin Known occup Carcin man Group from c	tances are undis REENING DATE: NANO: <b>No</b> IINGS pational Carcinog togen - specific f n to be Human C ational setting) togen Group 1 - 1 - Agent is card occupational sou 1 - Agent is Car	ID: Undisclos 2021-07-12 18:51:03 SUBSTANCE ROLE: Reagent gen to chemical form or exposure rout carcinogen (respirable size - Substances that cause cancer in cinogenic to humans - inhaled rces
Confidential information regardi	Pharos Chemical and Materials Library GS: LT-1 AGENCY AND LIST TITLES US CDC - Occupational Carcinogens CA EPA - Prop 65 US NIH - Report on Carcinogens MAK IARC	HAZARD SCF RC: None WARN Occup Carcir Known occup Carcir man Group from c Group H350i	tances are undis REENING DATE: NANO: <b>No</b> IINGS pational Carcinog togen - specific to a to be Human C ational setting) togen Group 1 - 1 - Agent is card occupational sou 1 - Agent is Car - May cause car	ID: Undisclos 2021-07-12 18:51:03 SUBSTANCE ROLE: Reagent to chemical form or exposure rout arcinogen (respirable size - Substances that cause cancer in cinogenic to humans - inhaled rces cinogenic to humans

SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

UNDISCLOSED

**ID: Undisclosed** 

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-01-07 15:13:50

Noroc

%: 0.0000 - 5.0000	GS: <b>BM-1</b> F	: None NANO:	No SUBSTANCE ROLE: Desiccant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
END	TEDX - Potential Endocrine Disruptors	Potential Endo	crine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazaı	rd to Waters
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic reproduction - Category 1B]	
SKI	EU - GHS (H-Statements) Annex 6 Table 3	1 H315 - Causes Category 2]	skin irritation [Skin corrosion/irritation -

SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

## UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2022-01-07 15:14:12			2022-01-07 15:14:12
%: 0.0000 - 5.0000	GS: <b>LT-1</b>	RC: N	lone	NANO: No	SUBSTANCE ROLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS			
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen			jen
CAN	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure rou		
CAN	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		
CAN	МАК			•	- Evidence of carcinogenic effects tablish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
CAN	МАК		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		•
CAN	EU - GHS (H-Statements) Annex 6 Tabl	le 3-1	H351 - Catego	•	ausing cancer [Carcinogenicity -

SUBSTANCE NOTES: Substance weight percentage intervals are used to cover different configurations and thicknesses of Noroc panels. Confidential information regarding adhesive substances have been retained; hence, substances are undisclosed.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCI	REENING DATE:	2022-01-07 15:14:08
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS	
None found			No warnings	found on HPD Priority Hazard Lists
	e weight percentage intervals are used to on ng adhesive substances have been retaine		•	•
UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCI	REENING DATE:	2022-01-07 15:14:09

%: 0.0000 - 5.0000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE	Water resistance
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS		
None found			No warnir	ngs found on HPD Pr	iority Hazard Lists
	ance weight percentage intervals are used to a arding adhesive substances have been retaine		-		f Noroc panels.
UNDISCLOSED					ID: Undisclosed
HAZARD SCREENING METHO	D: Pharos Chemical and Materials Library	HAZARD SO	CREENING DA	TE: 2022-01-07 15:	14:10
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE	ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS		
None found			No warnir	ngs found on HPD Pr	iority Hazard Lists
	ance weight percentage intervals are used to o arding adhesive substances have been retaine		-		f Noroc panels.
UNDISCLOSED					ID: Undisclosed
HAZARD SCREENING METHO	D: Pharos Chemical and Materials Library	HAZARD SO	CREENING DA	TE: 2022-01-07 15:	14:10
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE F	OLE: Reagent
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS		
None found			No warnir	ngs found on HPD Pr	iority Hazard Lists
	ance weight percentage intervals are used to o arding adhesive substances have been retaine		-		f Noroc panels.

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.

VOC EMISSIONS	CDPH Standard Method - Not tested
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-07- EXPIRY DATE: CERTIFIER OR LAB: Norbec
APPLICABLE FACILITIES: Norbec	19
CERTIFICATE URL:	

CERTIFICATION AND COMPLIANCE NOTES:

# 😑 Section 4: Accessories

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.

No accessories are required for this product.

# Section 5: General Notes

In addition on to resisting fire and meeting hygienic requirements, Noroc products offer several applications: industrial or commercial buildings, cold storage, sports centers and more.

## MANUFACTURER INFORMATION

MANUFACTURER: Norbec Architectural Inc./Norbec Systems Inc. ADDRESS: 97 Rue de Vaudreuil, Boucherville Quebec Quebec J4B 1K7, Canada WEBSITE: https://norbec.com/

CONTACT NAME: Alexandre Belisle TITLE: R&D Director PHONE: 514 688-8628 EMAIL: abelisle@norbec.com

LT-1 List Translator 1 (Likely Benchmark-1)

to a LT-1 or LTP1 score.)

NoGS No GreenScreen.

LT-UNK List Translator Benchmark Unknown (the chemical is

information contained within the list did not result in a clear mapping

present on at least one GreenScreen Specified List, but the

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

#### KEY

#### **Hazard Types**

AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation GLO Global warming LAN Land toxicity MAM Mammalian/systemic/organ toxicity MUL Multiple NEU Neurotoxicity NF Not found on Priority Hazard Lists OZO Ozone depletion PBT Persistent, bioaccumulative, and toxic PHY Physical hazard (flammable or reactive) REP Reproductive RES Respiratory sensitization SKI Skin sensitization/irritation/corrosivity UNK Unknown

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 Unspecified (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)

#### **Recycled Types**

PreC Pre-consumer recycled content PostC Post-consumer recycled content UNK Inclusion of recycled content is unknown None Does not include recycled content

# Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### **Inventory Methods:**

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material Nested Method / Product Threshold Substances listed within each material per threshold indicated per product Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology Third Party Verified Verification by independent certifier approved by HPDC Preparer Third party preparer, if not self-prepared by manufacturer 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 v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

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

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 standard noted.