

HPD UNIQUE IDENTIFIER: 24762

CLASSIFICATION: 07 27 13 Modified Bituminous Sheet Air Barriers

PRODUCT DESCRIPTION: SOPRASEAL STICK 1100 T is a self-adhesive, sheet-applied air and vapour barrier membrane for walls composed of SBS-modified bitumen and a tri-laminate woven polyethylene facer. It may also be used as masonry and through-wall flashing membrane as well as transition membrane. This product can be used on most substrates, such as masonry, concrete, wood and gypsum. The air barrier assembly comprising SOPRASEAL STICK 1100 T obtained the A1 classification when tested under CAN/ULC-S742.

**Section 1: Summary**

**Nested Method / Material Threshold**

**CONTENT INVENTORY**

|  |  |   |   |
|--|--|---|---|
| Inventory Reporting Format                               | Threshold level                            | Residuals/Impurities  | <i>All Substances Above the Threshold Indicated Are:</i>  |
| <input checked="" type="radio"/> Nested Materials Method | <input type="radio"/> 100 ppm              | Residuals/Impurities  | Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No   |
| <input type="radio"/> Basic Method                       | <input checked="" type="radio"/> 1,000 ppm | Considered in 1 of 3 Materials                                | <i>% weight and role provided for all substances.</i>   |
| Threshold Disclosed Per                                  | <input type="radio"/> Per GHS SDS          | Explanation(s) provided for Residuals/Impurities?             | Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No  |
| <input checked="" type="radio"/> Material                | <input type="radio"/> Other                | <input checked="" type="radio"/> Yes <input type="radio"/> No | <i>All substances screened using Priority Hazard Lists with results disclosed.</i>  |
| <input type="radio"/> Product                            |  |   | Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No  |
|  |  |   | <i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i> |

**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**  
**SELF-ADHESIVE BITUMEN MIXTURE [ ASPHALT LT-1 | CAN**  
**STYRENE BUTADIENE RUBBER (SBR) LT-UNK LUBRICATING OILS,**  
**PETROLEUM, HYDROTREATED SPENT (LUBRICATING OILS,**  
**PETROLEUM, HYDROTREATED SPENT) LT-P1 | CAN GAS OILS,**  
**PETROLEUM, HEAVY VACUUM (GAS OILS, PETROLEUM, HEAVY**  
**VACUUM) LT-1 | CAN | MUL HYDROGEN SULFIDE (HYDROGEN**  
**SULFIDE) LT-P1 | AQU | END | MAM | MUL | PHY NICKEL (NICKEL) LT-1**  
**| CAN | RES | MAM | MUL | SKI VANADIUM (VANADIUM) LT-1 | MUL |**  
**CAN | GEN LEAD (LEAD) BM-1 | END | PBT | REP | MUL | CAN | DEV |**  
**GEN POLYCYCLIC AROMATIC HYDROCARBONS (POLYCYCLIC**  
**AROMATIC HYDROCARBONS) LT-1 | PBT | CAN NAPHTHALENE**  
**(NAPHTHALENE) LT-1 | CAN | AQU | END | PBT | MUL DISTILLATES**  
**(PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI);**  
**(DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY**  
**NAPHTHENIC (9CI);) LT-1 | CAN | PBT | MUL ] SILICONE-COATED**  
**RELEASE PAPER [ KRAFT PAPER NoGS POLYETHYLENE LT-UNK**  
**POLYSILICONE-11 (SILICONE) NoGS ] WOVEN POLYETHYLENE**  
**FACER [ POLYETHYLENE LT-UNK UNDISCLOSED BM-1 | CAN**  
**UNDISCLOSED LT-P1 UNDISCLOSED LT-UNK | PBT UNDISCLOSED**  
**NoGS UNDISCLOSED LT-UNK ]**

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1  
 Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

This declaration covers both the summer and winter versions of SOPRASEAL STICK 1100T. No substance other than those listed in this HPD have been added to the finished product during its manufacturing. Residuals or impurities could not be considered because information was not provided to the manufacturer by the raw materials vendors. The precise composition of the self-adhesive bitumen mixture was not disclosed to protect proprietary information; ranges were given.

**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 - N/A  
 Management: ISO-9001:2008 Drummondville  
 Management: ISO-14001:2004 Drummondville  
 Management: OHSAS 18001:2007 Drummondville

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-05-12

PUBLISHED DATE: 2021-05-12

EXPIRY DATE: 2024-05-12

## Section 2: Content in Descending Order of Quantity

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](http://www.hpd-collaborative.org/hpd-2-2-standard)

### SELF-ADHESIVE BITUMEN MIXTURE %: 74.0000 - 75.0000

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

RESIDUALS AND IMPURITIES NOTES: Residuals were considered through information disclosed to the manufacturer by the materials suppliers.

OTHER MATERIAL NOTES: The self-adhesive bitumen is composed of different substances blended to a homogeneous mixture. Plasticizing oil is a component of this mixture. Three different options for plasticizing oil can be used in this product. This explains why CAS #64742-52-5, CAS #64742-58-1, and CAS #64741-57-7 are all listed at 0% minimum. Hydrogen sulfide is a declared impurity of one of the sources of naphtenic oil.

#### ASPHALT

ID: 8052-42-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-05-12 16:40:41

%: 65.0000 - 85.0000 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Water resistance

| HAZARD TYPE | AGENCY AND LIST TITLES            | WARNINGS   |
|-------------|-----------------------------------|--|
| CAN         | US CDC - Occupational Carcinogens | Occupational Carcinogen  |
| CAN         | MAK                               | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |
| CAN         | IARC                              | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources               |
| CAN         | CA EPA - Prop 65                  | Carcinogen   |
| CAN         | IARC                              | Group 2b - Possibly carcinogenic to humans   |

SUBSTANCE NOTES: Exact percentage not disclosed to protect proprietary information.

#### STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-05-12 16:40:42

%: 10.0000 - 20.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: Exact percentage not disclosed to protect proprietary information.

#### LUBRICATING OILS, PETROLEUM, HYDROTREATED SPENT (LUBRICATING OILS, PETROLEUM, HYDROTREATED SPENT)

ID: 64742-58-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-05-12 16:40:46

%: 0.0000 - 15.0000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Plasticizer

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                |
|-------------|------------------------|-------------------------|
| CAN         | GHS - Australia        | H350 - May cause cancer |

SUBSTANCE NOTES: This is one of three options for plasticizing oil in the self-adhesive bitumen mixture. This is why minimum percentage is set at 0%. Exact percentage not disclosed to protect proprietary information. If used, this substance will represent 5 to 15% of the self-adhesive bitumen mixture material.

**GAS OILS, PETROLEUM, HEAVY VACUUM (GAS OILS, PETROLEUM, HEAVY VACUUM)**

ID: 64741-57-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:46**  
 %: **0.0000 - 15.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Plasticizer**

| HAZARD TYPE | AGENCY AND LIST TITLES                      | WARNINGS   |
|-------------|---|--|
| 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         | GHS - Australia                             | H350 - May cause cancer  |

SUBSTANCE NOTES: This is one of three options for plasticizing oil in the self-adhesive bitumen mixture. This is why minimum percentage is set at 0%. Exact percentage not disclosed to protect proprietary information. If used, this substance will represent 5 to 15% of the self-adhesive bitumen mixture material.

**HYDROGEN SULFIDE (HYDROGEN SULFIDE)**

ID: 7783-06-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:47**  
 %: **Impurity/Residual** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES                        | WARNINGS                          |
|-------------|---|-----------------------------------|
| AQU         | EU - GHS (H-Statements)                       | H400 - Very toxic to aquatic life |
| END         | TEDX - Potential Endocrine Disruptors         | Potential Endocrine Disruptor     |
| MAM         | EU - GHS (H-Statements)                       | H330 - Fatal if inhaled           |
| MUL         | German FEA - Substances Hazardous to Waters   | Class 2 - Hazard to Waters        |
| MAM         | US EPA - EPCRA Extremely Hazardous Substances | Extremely Hazardous Substances    |
| PHY         | EU - GHS (H-Statements)                       | H220 - Extremely flammable gas    |

SUBSTANCE NOTES: Hydrogen sulfide may be present in asphalt and petroleum oil.

**NICKEL (NICKEL)**

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:48**

| %: Impurity/Residual |   | GS: LT-1  | RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual |
|----------------------|---|---|---|
| HAZARD TYPE          | AGENCY AND LIST TITLES                      | WARNINGS  |   |
| CAN                  | EU - GHS (H-Statements)                     | H351 - Suspected of causing cancer                                    |   |
| CAN                  | US CDC - Occupational Carcinogens           | Occupational Carcinogen   |   |
| CAN                  | MAK   | 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                         |   |
| MAM                  | EU - GHS (H-Statements)                     | H372 - Causes damage to organs through prolonged or repeated exposure |   |
| RES                  | MAK   | 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)                     | H317 - May cause an allergic skin reaction                            |   |

SUBSTANCE NOTES: Nickel may be present as an impurity in asphalt.

### VANADIUM (VANADIUM)

ID: 7440-62-2

| %: Impurity/Residual |   | GS: LT-1   | RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual |
|----------------------|---|--|---|
| HAZARD TYPE          | AGENCY AND LIST TITLES                      | WARNINGS   |   |
| MUL                  | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                          |   |
| CAN                  | MAK   | Carcinogen Group 2 - Considered to be carcinogenic for man |   |
| GEN                  | MAK   | Germ Cell Mutagen 2  |   |

SUBSTANCE NOTES: Vanadium may be present as impurity in asphalt.

### LEAD (LEAD)

ID: 7439-92-1

| %: Impurity/Residual |                                       | GS: BM-1                      | RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual |
|----------------------|---------------------------------------|-------------------------------|---|
| HAZARD TYPE          | AGENCY AND LIST TITLES                | WARNINGS                      |   |
| END                  | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |   |

|     |  |   |
|-----|--|---|
| PBT | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action  |
| REP | EU - SVHC Authorisation List                     | Toxic to reproduction - Candidate list  |
| REP | EU - GHS (H-Statements)                          | H360FD - May damage fertility. May damage the unborn child  |
| PBT | OR DEQ - Priority Persistent Pollutants          | Priority Persistent Pollutant - Tier 1  |
| MUL | ChemSec - SIN List                               | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant  |
| CAN | CA EPA - Prop 65                                 | Carcinogen  |
| CAN | IARC   | Group 2b - Possibly carcinogenic to humans  |
| CAN | MAK  | Carcinogen Group 2 - Considered to be carcinogenic for man  |
| CAN | US NIH - Report on Carcinogens                   | Reasonably Anticipated to be Human Carcinogen   |
| DEV | G&L - Neurotoxic Chemicals                       | Developmental Neurotoxicant   |
| CAN | US EPA - IRIS Carcinogens                        | (1986) Group B2 - Probable human Carcinogen   |
| CAN | IARC   | Group 2a - Agent is probably Carcinogenic to humans   |
| DEV | CA EPA - Prop 65                                 | Developmental toxicity  |
| PBT | US EPA - Priority PBTs (NWMP)                    | Priority PBT  |
| PBT | WA DoE - PBT                                     | PBT   |
| PBT | US EPA - Toxics Release Inventory PBTs           | PBT   |
| DEV | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Developmental Toxicity  |
| REP | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Reproductive Toxicity   |
| REP | EU - REACH Annex XVII CMRs                       | Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans |
| REP | EU - Annex VI CMRs                               | Reproductive Toxicity - Category 1A   |
| GEN | MAK  | Germ Cell Mutagen 3a  |
| REP | CA EPA - Prop 65                                 | Reproductive Toxicity - Female  |
| REP | CA EPA - Prop 65                                 | Reproductive Toxicity - Male  |
| DEV | EU - GHS (H-Statements)                          | H362 - May cause harm to breast-fed children  |
| REP | GHS - New Zealand                                | 6.8A - Known or presumed human reproductive or developmental toxicants  |
| CAN | GHS - Korea                                      | Carcinogenicity - Category 1 [H350 - May cause cancer]  |
| REP | GHS - Korea                                      | Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]                              |
| DEV | GHS - Australia                                  | H360Df - May damage the unborn child. Suspected of damaging fertility   |
| REP | GHS - Japan                                      | Toxic to reproduction - Category 1A [H360]  |

SUBSTANCE NOTES: Lead may be present as impurity in asphalt.

**POLYCYCLIC AROMATIC HYDROCARBONS (POLYCYCLIC AROMATIC HYDROCARBONS)**

ID: 130498-29-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:49**

%: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES                           | WARNINGS   |
|-------------|--|--|
| PBT         | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action                       |
| CAN         | MAK  | Carcinogen Group 1 - Substances that cause cancer in man |
| CAN         | US NIH - Report on Carcinogens                   | Reasonably Anticipated to be Human Carcinogen            |
| PBT         | WA DoE - PBT                                     | PBT  |
| PBT         | US EPA - Toxics Release Inventory PBTs           | PBT  |

SUBSTANCE NOTES: Polycyclic aromatic hydrocarbons may be present as impurity in asphalt.

**NAPHTHALENE (NAPHTHALENE)**

ID: 91-20-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:50**

%: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES                           | WARNINGS  |
|-------------|--|---|
| CAN         | EU - GHS (H-Statements)                          | H351 - Suspected of causing cancer                          |
| AQU         | EU - GHS (H-Statements)                          | H400 - Very toxic to aquatic life                           |
| AQU         | EU - GHS (H-Statements)                          | H410 - Very toxic to aquatic life with long lasting effects |
| END         | TEDX - Potential Endocrine Disruptors            | Potential Endocrine Disruptor                               |
| PBT         | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action                          |
| END         | ChemSec - SIN List                               | Endocrine Disruption  |
| CAN         | MAK  | 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         | CA EPA - Prop 65                                 | Carcinogen  |
| CAN         | IARC   | Group 2b - Possibly carcinogenic to humans                  |
| CAN         | MAK  | Carcinogen Group 2 - Considered to be carcinogenic for man  |
| CAN         | US NIH - Report on Carcinogens                   | Reasonably Anticipated to be Human Carcinogen               |
| PBT         | US EPA - Priority PBTs (NWMP)                    | Priority PBT  |
| PBT         | WA DoE - PBT                                     | PBT   |
| PBT         | US EPA - Toxics Release Inventory PBTs           | PBT   |
| CAN         | US EPA - IRIS Carcinogens                        | (1986) Group C - Possible human Carcinogen                  |

SUBSTANCE NOTES: Naphthalene may be present as impurity in asphalt.

**DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI); (DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI);)**

ID: 64742-52-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:50**

#: **0.0000 - 15.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Plasticizer**



| HAZARD TYPE | AGENCY AND LIST TITLES                      | WARNINGS   |
|-------------|---|--|
| 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                          |
| PBT         | EC - CEPA DSL                               | Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans                             |
| MUL         | ChemSec - SIN List                          | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant   |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters  |
| CAN         | GHS - Australia                             | H350 - May cause cancer  |
| CAN         | GHS - Japan                                 | Carcinogenicity - Category 1A [H350]   |

**SUBSTANCE NOTES:** This is one of three options for plasticizing oil in the self-adhesive bitumen mixture. This is why minimum percentage is set at 0%. Exact percentage not disclosed to protect proprietary information. If used, this substance will represent 5 to 15% of the self-adhesive bitumen mixture material.

**SILICONE-COATED RELEASE PAPER**      %: 12.0000 - 13.5000

MATERIAL THRESHOLD: 1000 ppm      RESIDUALS AND IMPURITIES CONSIDERED: No      MATERIAL TYPE: Paper or Cardboard

RESIDUALS AND IMPURITIES NOTES: Residuals could not be considered because information was not provided to the manufacturer by the raw materials vendors.

OTHER MATERIAL NOTES: Silicone-coated release paper is composed of an unbleached kraft paper base layer coated with a silicone-based release material.

**KRAFT PAPER**ID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:41**%: **81.0000 - 82.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Anti-adhesive agent**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: No information regarding residuals or impurities would be shared by the material supplier.

**POLYETHYLENE**ID: **9002-88-4**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:42**%: **16.0000 - 17.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: Polyethylene is used to coat the paper material before application of silicone. No information regarding residuals or impurities would be shared by the material supplier.

**POLYSILICONE-11 (SILICONE)**ID: **63394-02-5**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:43**%: **1.0000 - 2.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Anti-adhesive agent**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: Silicone is applied on the PE-coated paper base. No information regarding residuals or impurities would be shared by the material supplier.

**WOVEN POLYETHYLENE FACER**%: **12.0000 - 13.0000**MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **No** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: Residuals could not be considered because information was not provided to the manufacturer by the raw materials vendors.

OTHER MATERIAL NOTES: Polyethylene grid coated with polyethylene continuous film with colour printing.

**POLYETHYLENE**ID: **9002-88-4**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:40**%: **90.0000 - 100.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:43**

#: **1.0000 - 2.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE | AGENCY AND LIST TITLES            | WARNINGS   |
|-------------|-----------------------------------|--|
| CAN         | US CDC - Occupational Carcinogens | Occupational Carcinogen  |
| CAN         | MAK                               | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |
| CAN         | CA EPA - Prop 65                  | Carcinogen - specific to chemical form or exposure route                                     |
| CAN         | IARC                              | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources               |

SUBSTANCE NOTES: The identity of this ingredient cannot be revealed due to confidentiality agreement with raw material vendor. Its impact has been considered in this HPD.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:44**

#: **0.0000 - 5.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antioxidant**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: The identity of this ingredient cannot be revealed due to confidentiality agreement with raw material vendor. Its impact has been considered in this HPD.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:44**

#: **0.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antioxidant**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS             |
|-------------|------------------------|----------------------|
| PBT         | EU - ESIS PBT          | Under PBT evaluation |

SUBSTANCE NOTES: The identity of this ingredient cannot be revealed due to confidentiality agreement with raw material vendor. Its impact has been considered in this HPD.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:45**

#: **0.0000 - 0.3000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Heat or UV stabilizer**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: The identity of this ingredient cannot be revealed due to confidentiality agreement with raw material vendor. Its impact has been considered in this HPD.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-12 16:40:45**

#: **0.0000 - 0.3000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Heat or UV stabilizer**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: The identity of this ingredient cannot be revealed due to confidentiality agreement with raw material vendor. Its impact has been considered in this HPD.

*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 Stantard Method - N/A |              |                       |
|--|----------------------------|--------------|-----------------------|
| CERTIFYING PARTY: Self-declared  | ISSUE DATE: 2018-02-       | EXPIRY DATE: | CERTIFIER OR LAB: N/A |
| APPLICABLE FACILITIES: N/A   | 26                         |              |                       |
| CERTIFICATE URL:   |                            |              |                       |
| CERTIFICATION AND COMPLIANCE NOTES: N/A - This product is an exterior product therefore is not to be tested for VOC emissions. |                            |              |                       |

| MANAGEMENT  | ISO-9001:2008 Drummondville |                    |                           |
|---|-----------------------------|--------------------|---------------------------|
| CERTIFYING PARTY: Third Party   | ISSUE DATE: 2018-05-        | EXPIRY DATE: 2021- | CERTIFIER OR LAB: SGS ICS |
| APPLICABLE FACILITIES: Facilities covered by this certification: St Julien du Sault, France; Strasbourg, France; Val de Reuil, France; Sorgues, France; Luynes, France; Ambert, France; Cestas, France; La Chapelle Saint Luc, France; Saint Rambert, France; Golbey, France; Drummondville, Québec, Canada; Chilliwack, British Columbia, Canada; Wadsworth, Ohio, USA; Richmond, Québec, Canada; Gulfport, Mississippi, USA; Beauport, Québec, Canada; Oberrosbach, Germany; Grobbendonk, Belgium; Andenne, Belgium; Ijlst, Netherlands; Chignolo d'Isola Bergamo, Italy; Frosinone, Italy; San Vito al Tagliamento, Italy; Verolanuova, Italy; Salgareda, Italy; Blonie, Poland; Spreitenbach, Switzerland; Cham, Switzerland. | 28                          | 05-07              |                           |
| CERTIFICATE URL: <a href="https://www.soprema.ca/wp-content/uploads/2015/05/SOPREMA-certificat-iso-9001-v2-ENG.pdf">https://www.soprema.ca/wp-content/uploads/2015/05/SOPREMA-certificat-iso-9001-v2-ENG.pdf</a>  |                             |                    |                           |
| CERTIFICATION AND COMPLIANCE NOTES: Although all the plants cited above are covered by the certification, the only plant that manufactures the product covered by this HPD is the plant in Drummondville, Québec, Canada.   |                             |                    |                           |

| MANAGEMENT  | ISO-14001:2004 Drummondville |                    |                           |
|---|------------------------------|--------------------|---------------------------|
| CERTIFYING PARTY: Third Party   | ISSUE DATE: 2018-05-         | EXPIRY DATE: 2021- | CERTIFIER OR LAB: SGS ICS |
| APPLICABLE FACILITIES: Facilities covered by this certification: St Julien du Sault, France; Strasbourg, France; Val de Reuil, France; Sorgues, France; La Chapelle Saint Luc, France; Saint Rambert, France; Golbey, France; Drummondville, Québec, Canada; Chilliwack, British Columbia, Canada; Wadsworth, Ohio, USA; Richmond, Québec, Canada; Beauport, Québec, Canada; Grobbendonk, Belgium; Andenne, Belgium; Ijlst, Netherlands; Chignolo d'Isola Bergamo, Italy; Frosinone, Italy; Salgareda, Italy; San Vito al Tagliamento, Italy; Verolanuova, Italy; Blonie, Poland; Spreitenbach, Switzerland; Cham, Switzerland. | 28                           | 05-07              |                           |
| CERTIFICATE URL: <a href="https://www.soprema.ca/wp-content/uploads/2015/05/SOPREMA-certificat-iso-14001-v2-ENG.pdf">https://www.soprema.ca/wp-content/uploads/2015/05/SOPREMA-certificat-iso-14001-v2-ENG.pdf</a>  |                              |                    |                           |
| CERTIFICATION AND COMPLIANCE NOTES: Although all the plants cited above are covered by the certification, the only plant that manufactures SOPRASEAL STICK 1100 T is the plant in Drummondville, Québec, Canada.  |                              |                    |                           |

| MANAGEMENT | OHSAS 18001:2007 Drummondville |
|------------|--------------------------------|
|------------|--------------------------------|

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: Facilities covered by this certification: St Julien du Sault, France; Strasbourg, France; La Chapelle Saint Luc, France; Saint Rambert, France; Drummondville, Québec, Canada; Chilliwack, British Columbia, Canada; Beauport, Québec, Canada; Wadsworth, Ohio, USA; Gulfport, Mississippi, USA; Andenne, Belgium; Chignolo d'Isola Bergamo, Italy; Frosinone, Italy; San Vito al Tagliamento, Italy; Verolanuova, Italy; Salgareda, Italy.  
 CERTIFICATE URL: <http://soprema.ca/wp-content/uploads/2016/08/OHSAS-18001-2007.pdf>

CERTIFICATION AND COMPLIANCE NOTES: Although all the plants cited above are covered by the certification, the only plant that manufactures SOPRASEAL STICK 1100 T is the plant in Drummondville, Québec, Canada.

**OTHER** **Air Barrier Assembly**

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CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: Drummondville, QC, Canada  
 CERTIFICATE URL:

ISSUE DATE: 2021-02-11  
 EXPIRY DATE:  
 CERTIFIER OR LAB: UL Laboratory Inc.

CERTIFICATION AND COMPLIANCE NOTES: Air barrier assemblies using SOPRASEAL STICK 1100T satisfy the requirements of CAN/ULC-S742-21 as evidenced in the third-party report AS-01401-A dated 2021-02-11 by UL Laboratory Canada Inc. Air leakage of assembly = 0.008 L / s m2 at 75 Pa, when tested using P1 = 1000 Pa, P2 = 2560 Pa, and P3 = 3820 Pa wind loading schedule.

**OTHER** **ABAA - Self-Adhered Sheet Membranes**

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CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: Drummondville, QC, Canada  
 CERTIFICATE URL: <https://www.airbarrier.org/technical-information/evaluated-assemblies-2>

ISSUE DATE: 2020-02-07  
 EXPIRY DATE:  
 CERTIFIER OR LAB: Air Barrier Association of America

CERTIFICATION AND COMPLIANCE NOTES: Air Permeance (material) 0.0005 L/s m2 @ 75 Pa Air Permeance (assembly) 0.0022 L/s m2 @ 75 Pa

## 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.*

**PRIMER FOR SELF-ADHESIVE MEMBRANE** HPD URL: <https://www.hpd-collaborative.org/hpd-public-repository/>

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:  
 The use of a primer is required before the installation of SOPRASEAL STICK 1100 T. Acceptable primers include SOPRASEAL STICK PRIMER (500 g/L VOC content), ELASTOCOL STICK ZERO (0 g/L VOC content including 240 g/L exempt VOC as per EPA), and ELASTOCOL STICK H2O (0 g/L VOC content)

## Section 5: General Notes

This declaration covers both the summer and winter versions of SOPRASEAL STICK 1100T. Residuals or impurities could not be considered because information was not provided to the manufacturer by the raw materials vendors.

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Soprema  
**ADDRESS:** 1688 Jean-Berchmans-Michaud St.  
 Drummondville QC J2C8E9, Canada  
**WEBSITE:** www.soprema.ca

**CONTACT NAME:** Jean-François Côté  
**TITLE:** Director, Standards and Scientific Affairs  
**PHONE:** 819-478-8166 x.3290  
**EMAIL:** jfcote@soprema.ca

*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**

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

**GreenScreen (GS)**

|   |  |
|---|--|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)   |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.) |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      |  |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          |  |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |  |
| <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)      | <b>NoGS</b> No GreenScreen.  |

**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.*