# Parafor 30 TG BW Roof Membrane by Siplast by Siplast, Inc.

**Health Product Declaration v2.1.1**

created via: HPDC Online Builder

**CLASSIFICATION:** SBS Modified Bitumen Roofing Membrane

**PRODUCT DESCRIPTION:** For design teams selecting environmentally responsible roofing materials, Siplast offers the innovative Parafor 30 TG BW Roof Membrane. Parafor 30 TG BW is a high performance, modified bitumen finish ply designed for use in homogeneous multilayer modified bitumen roof membrane systems. Parafor 30 TG BW is intended to be used as a highly reflective, cool roof membrane to meet the energy requirements of government agencies, and state and local building codes. Parafor 30 TG BW is surfaced with highly-reflective, bright white granules.

## Section 1: Summary

**Nested Method / Product Threshold**

### CONTENT INVENTORY

**Inventory Reporting Format**

- (•) Nested Materials Method
- ( ) Basic Method

**Threshold Disclosed Per**

- ( ) Material
- (•) Product

**Threshold level**

- ( ) 100 ppm
- (•) 1,000 ppm
- ( ) Per GHS SDS
- ( ) Per OSHA MSDS
- ( ) Other

**Residuals/Impurities**

Residuals/Impurities Considered in 1 of 1 Materials

Explanation(s) provided for Residuals/Impurities?

- (•) Yes ( ) No

*All Substances Above the Threshold Indicated Are:*

**Characterized** (•) Yes Ex/SC ( ) Yes ( ) No

*% weight and role provided for all substances except SC substances characterized according to SC guidance.*

**Screened** (•) Yes Ex/SC ( ) Yes ( ) No

*All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.*

**Identified** (•) Yes Ex/SC ( ) Yes ( ) No

*All substances disclosed by Name (Specific or Generic) and Identifier except SC substances identified according to SC guidance.*

**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

PARAFOR 30 TG BW [ KAOLIN, CALCINED LT-UNK ASPHALT / BITUMENS LT-1 | CAN SC:REFLECTIVE ROOF GRANULES Not Screened LIMESTONE, CALCIUM CARBONATE LT-UNK STYRENE BUTADIENE RUBBER (SBR) LT-UNK HYDROCARBON OILS, PROCESS BLENDS NoGS POLYESTER FIBERS NoGS POLYETHYLENE LT-UNK SILICA, CHRISTOBALITE - RESPIRABLE LT-1 | CAN ]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Special conditions applied: GeologicalMaterial

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

No residuals or impurities are expected to be present in the product at or above the reporting threshold.

### 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: N/A

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

Third Party Verified?

- ( ) Yes
- (•) No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2019-12-06
PUBLISHED DATE: 2019-12-06
EXPIRY DATE: 2022-12-06

# 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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard*

## PARAFOR 30 TG BW

**%: 100.00 - 100.00**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected to be present in the product at or above the reporting threshold.

OTHER MATERIAL NOTES: SBS modified bitumen asphalt roofing membrane.

### KAOLIN, CALCINED

ID: 92704-41-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-06**

%: **95.00 - 100.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Mineral base for reflective granules.**

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

SUBSTANCE NOTES:

### ASPHALT / BITUMENS

ID: 8052-42-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-06**

%: **36.00 - 40.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Bituminous binder**

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

SUBSTANCE NOTES: The material used as the primary component in Parafor 30 TG BW roofing and waterproofing membrane.

## SC:REFLECTIVE ROOF GRANULES

ID: SC:GeoMat

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-06**

%: **29.00 - 33.00** GS: **Not Screened** RC: **None** NANO: **No** ROLE: **Highly reflective UV blocker**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| | Hazard Screening not performed | |

SUBSTANCE NOTES:
Version: SCGeoMats/2018-02-23
Origin: United States
Typical Composition: This disclosure does not provide typical composition.
Potential presence of toxic metals: This disclosure does not provide information on the potential presence of toxic metals.
Presence of Radioactive Elements: This disclosure does not provide radiactive elements which may be found in certain geological materials.

The material used as the bright white surfacing material and highly reflectance surfacing component in Parafor 30 TG BW roofing and waterproofing membrane.

## LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-06**

%: **22.00 - 26.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Mineral stabilizer**

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

SUBSTANCE NOTES: The material used as the mineral stabilizing component in Parafor 30 TG BW roofing and waterproofing membrane.

## STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-06**

%: **4.00 - 8.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Polymeric modifier**

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

SUBSTANCE NOTES: The material used as the asphalt modifying component in Parafor 30 TG BW roofing and waterproofing membrane.

## HYDROCARBON OILS, PROCESS BLENDS

ID: 68131-05-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-06**

%: **0.50 - 1.00** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Reduce Viscosity**

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

SUBSTANCE NOTES: The material used as the viscosity reducing component in Parafor 30 TG BW roofing and waterproofing membrane.

## POLYESTER FIBERS

ID: 80595-68-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-06**

%: **0.50 - 1.50** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Reinforcement material**

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

SUBSTANCE NOTES: The material used as the reinforcement component in Parafor 30 TG BW roofing and waterproofing membrane.

## POLYETHYLENE

ID: 9002-88-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-06**

%: **0.10 - 0.50** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Film surface material**

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

SUBSTANCE NOTES: The material used as a film surface material and burns when the membrane is installed in Parafor 30 TG BW roofing membrane.

## SILICA, CHRISTOBALITE - RESPIRABLE

ID: 14464-46-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-12-06**

%: **0.01 - 1.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Highly reflective granule component.**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CANCER | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route |
| CANCER | IARC | Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources |
| CANCER | US NIH - Report on Carcinogens | Known to be Human Carcinogen (respirable size - occupational setting) |
| CANCER | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CANCER | GHS - New Zealand | 6.7A - Known or presumed human carcinogens |
| CANCER | GHS - Japan | Carcinogenicity - Category 1A [H350] |
| CANCER | GHS - Australia | H350i - May cause cancer by inhalation |

SUBSTANCE NOTES:

## Section 3: Certifications and Compliance

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

| VOC EMISSIONS | N/A |
|---|---|

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: All
CERTIFICATE URL:

ISSUE DATE: 2019-11-18

EXPIRY DATE:

CERTIFIER OR LAB: N/A

CERTIFICATION AND COMPLIANCE NOTES: VOC Emissions testing has not been performed for this product.

## 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

Parafor 30 TG BW meets or exceeds the requirements of ASTM D 6162 Type II, Grade G and CSA A123.23-15 Type B, Grade 1 for SBS-modified bituminous sheet materials using a polyester reinforcement.

# Section 6: References

## MANUFACTURER INFORMATION


MANUFACTURER: **Siplast, Inc.**
ADDRESS: **1111 Highway 67 South**
**Arkadelphia Arkansas 71923, USA**
WEBSITE: **www.siplast.com**

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## KEY

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

**Hazard Types**

**AQU** Aquatic toxicity
**CAN** Cancer
**DEV** Developmental toxicity
**END** Endocrine activity
**EYE** Eye irritation/corrosivity
**GEN** Gene mutation
**GLO** Global warming
**MAM** Mammalian/systemic/organ toxicity
**MUL** Multiple hazards
**NEU** Neurotoxicity
**OZO** Ozone depletion
**PBT** Persistent Bioaccumulative Toxic
**PHY** Physical Hazard (reactive)
**REP** Reproductive toxicity
**RES** Respiratory sensitization
**SKI** Skin sensitization/irritation/corrosivity
**LAN** Land Toxicity
**NF** Not found on Priority Hazard Lists

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

**Recycled Types**

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

**Other Terms**
**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.*