

CLASSIFICATION: 09 29 00.00 Finishes: Gypsum Board

PRODUCT DESCRIPTION: ProForm® BRAND setting type joint compounds were developed to reduce joint deformities such as ridging and beading and provide shortened joint finishing time. ProForm® BRAND Quick Set Compound is a quick setting/hardening type compound that is not affected by humidity once it has set and dried. It is available in 20-, 45-, 90- and 210- minute set times. ProForm® BRAND Quick Set Lite Compound is 30% lighter than conventional setting compound, sands easier and requires less time and effort to work. Available in 5-, 20-, 45-, 90-, and 210-minute set times. ProForm® Quick Set and Quick Set Lite setting compounds achieve GREENGUARD and GREENGUARD Gold certification. GREENGUARD certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. This HPD covers ProForm® BRAND Quick Set Compound and ProForm® BRAND Quick Set Lite Compound.

Section 1: Summary

Basic 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

- Considered
 Partially Considered
 Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No

Percent Weight and Role Provided?

Screened Yes No

Using Priority Hazard Lists with Results Disclosed?

Identified Yes No

Name and Identifier Provided?

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

PROFORM® SETTING COMPOUNDS | PLASTER OF PARIS NoGS
CALCIUM CARBONATE BM-3 **UNDISCLOSED** LT-UNK **PERLITE** LT-UNK
TALC BM-1 | CAN **PYROPHYLLITE** NoGS **UNDISCLOSED** LT-UNK **QUARTZ** LT-1 | CAN **ATTAPULGITE** LT-1 | CAN **2-HYDROXYPROPYL STARCH** LT-UNK **KAOLIN CLAY** LT-UNK | CAN **HYDROXYPROPYL METHYL CELLULOSE** LT-UNK **PROTEIN HYDROLYZATE** LT-UNK **CALCIUM SULFATE DIHYDRATE** LT-UNK **MICA** LT-UNK **POLY(VINYL ALCOHOL)** LT-UNK **POLYVINYL ACETATE (PVA)** LT-UNK **CHLORITE** NoGS]

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 Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight. Therefore, this HPD qualifies for the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1). Substances not "Identified" are those considered proprietary to suppliers.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Gold Certified

VOC emissions: UL/GreenGuard Certified

VOC emissions: UL/GreenGuard Gold Certified

VOC emissions: UL/GreenGuard Certified

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
 No

PREPARER: Elixir Environmental

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-07-13

PUBLISHED DATE: 2018-07-13

EXPIRY DATE: 2021-07-13



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

PROFORM® SETTING COMPOUNDS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals or impurities with the potential to be present in this material/product above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS are disclosed, based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER PRODUCT NOTES: Percent by weight of substances disclosed as range to further protect proprietary formulation.

PLASTER OF PARIS

ID: 26499-65-0

#: 45.0000 - 65.0000 GS: NoGS RC: None NANO: No ROLE: Filler; Increases Hardness/Strength

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Calcium sulfate hemihydrate

CALCIUM CARBONATE

ID: 471-34-1

#: 20.0000 - 40.0000 GS: BM-3 RC: None NANO: No ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. May also include CASRN 1317-65-3 (Limestone; LT-UNK; No warnings found on HPD Priority lists).

UNDISCLOSED

#: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: No ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

3rd Party Screened

SUBSTANCE NOTES: Supplier has disclosed substance name and CASRN under a Non-Disclosure Agreement; substance to remain proprietary to supplier. Substance has been screened against the HPD Priority lists with results disclosed.

PERLITE

ID: 93763-70-3

%: **1.0000 - 20.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

TALC

ID: 14807-96-6

%: **1.0000 - 20.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Filler; Flow Ability; Crack Resistance**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER**MAK**

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Non-asbestiform. Supplier has provided Certificate of Analysis confirming that talc products "do not contain detectable regulated asbestiform minerals". Talc is one of several substances that work synergistically to reduce cracking in the finished product.

PYROPHYLLITE

ID: 12269-78-2

%: **0.1000 - 10.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Crack resistance; Improved workability; Reduces chalking**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Pyrophyllite is one of several substances that work synergistically to reduce cracking in the finished product.

UNDISCLOSED

%: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

3rd Party Screened

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. Supplier has disclosed substance name and CASRN under a Non-Disclosure Agreement; substance to remain proprietary to supplier. Substance has been screened against the HPD Priority lists with results disclosed.

QUARTZ

ID: 14808-60-7

%: **0.1000 - 10.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Filler; Crack Resistance; Residual/Impurity**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
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	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	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350 - May cause cancer
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Silica; Crystallized silicon dioxide. Natural substance that is widely used in metal extraction, paints, polymers, cleaning agents, coloring agents, and fillers. Quartz is one of several compounds with warnings restricted to respirable forms (Pharos CML). Exposures to respirable crystalline silica are not expected during the recommended use of this product. Awaiting full GreenScreen Assessment for form specific hazards for this compound (<http://ow.ly/Z5ken>). Quartz is one of several substances that work synergistically to reduce cracking in the finished product. May also represent possible impurity of raw materials.

ATTAPULGITE

ID: 12174-11-7

#: 0.1000 - 10.0000 GS: LT-1 RC: None NANO: No ROLE: Improves Sag Resistance

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Attapulgate is one of several substances that work synergistically to reduce cracking in the finished product.

2-HYDROXYPROPYL STARCH

ID: 9049-76-7

#: 0.1000 - 10.0000 GS: LT-UNK RC: None NANO: No ROLE: Binder; Rheology Modifier; Thickener

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

KAOLIN CLAY

ID: 1332-58-7

#: 0.1000 - 10.0000 GS: LT-UNK RC: None NANO: No ROLE: Improves Crack Resistance, Workability; Reduces Chalking

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Identified on the US EPA Safer Chemicals Ingredient List. Kaolin Clay is one of several substances that work synergistically to reduce cracking in the finished product.

HYDROXYPROPYL METHYL CELLULOSE

ID: 9004-65-3

#: 0.1000 - 10.0000 GS: LT-UNK RC: None NANO: No ROLE: Rheology Modifier; Thickener

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

PROTEIN HYDROLYZATE

ID: 69430-36-0

#: 0.1000 - 10.0000 GS: LT-UNK RC: None NANO: No ROLE: Controls Set Time

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: May also include CASRN 9015-54-7 (NoGS; Not included in GreenScreen).

CALCIUM SULFATE DIHYDRATE

ID: 10101-41-4

#: 0.1000 - 10.0000 GS: LT-UNK RC: None NANO: No ROLE: Setting Control

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Gypsum. Other CASRN may include 13397-24-5 (LT-UNK; No warnings found on HPD Priority lists).

MICA

ID: 12001-26-2

#: 0.1000 - 10.0000 GS: LT-UNK RC: None NANO: No ROLE: Improves Crack Resistance, Workability; Reduces Chalking

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Mica is one of several substances that work synergistically to reduce cracking in the finished product.

POLY(VINYL ALCOHOL)

ID: 9002-89-5

%: **0.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on EPA Safer Chemical Ingredient List.

POLYVINYL ACETATE (PVA)

ID: 9003-20-7

%: **0.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CHLORITE

ID: 1318-59-8

%: **Impurity/Residual** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Chlorite Group Minerals. Potential Impurity of Talc.

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

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2009-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

04-30

03-28

Environment

CERTIFICATE URL:

<http://certificates.ulenvironment.com/default.aspx?id=9913&t=cs>

CERTIFICATION AND COMPLIANCE NOTES: **ProForm Quick Set Setting Compound. Certificate Number: 9913-420. UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.**

VOC EMISSIONS

UL/GreenGuard Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2009-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

12-31

03-28

Environment

CERTIFICATE URL:

<http://certificates.ulenvironment.com/default.aspx?id=9913&t=gg>

CERTIFICATION AND COMPLIANCE NOTES: **ProForm Quick Set Setting Compound. Certificate Number: 9913-410. UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Building materials are determined compliant in accordance with an Office environment with an air change of 0.68 hr⁻¹ and a loading of 5.20 m². Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.**

VOC EMISSIONS

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2009-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

12-31

03-28

Environment

CERTIFICATE URL:

<http://certificates.ulenvironment.com/default.aspx?id=9912&t=cs>

CERTIFICATION AND COMPLIANCE NOTES: **ProForm Quick Set Lite Setting Compound. Certificate Number: 9912-420. UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.**

VOC EMISSIONS

UL/GreenGuard Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2009-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

12-31

03-28

Environment

CERTIFICATE URL:

<http://certificates.ulenvironment.com/default.aspx>

CERTIFICATION AND COMPLIANCE NOTES: ProForm Quick Set Lite Setting Compound. Certificate Number: 9912-410. UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Building materials are determined compliant in accordance with an Office environment with an air change of 0.68 hr⁻¹ and a loading of 5.20 m2. Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

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.

GOLD BOND® GYPSUM BOARDS

HPD URL:

<http://designcenter.nationalgypsum.com/sustainability/category/health-product-declaration-hpd>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

ProForm® Setting Type Joint Compounds can be used to finish various types of gypsum boards, such as Gold Bond® Fire-Shield, Gold Bond® XP Fire-Shield, and Gold Bond® XP SoundBreak.

PROFORM® PAPER JOINT TAPE

HPD URL:

<http://designcenter.nationalgypsum.com/sustainability/category/health-product-declaration-hpd>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Paper Tape, such as ProForm® Paper Joint Tape, can be used in conjunction with Proform® Setting Type Joint Compounds to finish various types of gypsum boards.

Section 5: General Notes

Residuals and Impurities have been considered as stated in the Material Notes for each disclosed material.



MANUFACTURER INFORMATION

MANUFACTURER: **National Gypsum Company**

ADDRESS: **2001 Rexford Road**

Charlotte NC 28211, USA

WEBSITE: **www.NationalGypsum.com**

CONTACT NAME: **Amy Hockett**

TITLE: **National Marketing Manager - Construction Design Services & Sustainability**

PHONE: **704-365-7931**

EMAIL: **AmyH@NationalGypsum.com**

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 (insufficient 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.