Material Safety Data Sheet

Ready Mix Joint Compounds

MSDS No: **GB-5002**

Date: December 18, 2009

Supersedes Date: November 25, 2009

1. PRODUCT AND COMPANY INFORMATION

Manufacturer Information:
National Gypsum Company
2001 Rexford Road
Charlotte, NC 28211

For Emergency Product Information Call:
Director Quality Services
(704) 551-5820 - 24 Hour Emergency Response
Website: www.nationalgypsum.com

Product Name:

ProForm Patch Kit
Easy Finish Topping
Easy Finish All Purpose
ProForm All Purpose Export EX 70
ProForm Multi-Use
ProForm Taping
ProForm Lite Blue
ProForm Texture Grade
The Total Package™
ProForm All Purpose
ProForm All Purpose Machine Grade
ProForm Lite
ProForm Lite with Dust-Tech
ProForm Topping
ProForm Level 5
ProForm XP
Advantage
Advantage Lite

Use: All-purpose drying type compounds for finishing gypsum board products. Sta-Smooth products are setting type compounds available in specific set times.

Generic Descriptions: Pre-mixed compounds that are off white in color, and dry to a white finish.

2. HAZARDS IDENTIFICATION

Appearance and Odor: A white to gray paste with mild latex odor.

Contains no asbestos. HMIS Hazard Class No. 1, 0, 0.

Emergency Overview

ProForm® Ready Mix Joint Compound Products do not present an inhalation, ingestion, or contact health hazard unless subjected to operations such as sanding or machining which result in the generation of airborne particulate. A slight odor from the latex may be evident upon opening the container, which will dissipate quickly. This product contains quartz (crystalline silica) as a naturally occurring contaminant. It is recommended that a NIOSH approved particulate respirator be worn whenever working with this product results in airborne dust exposure exceeding the prescribed limits.
(See Section 11 - Toxicological Information)

OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

2. HAZARDS IDENTIFICATION (CONTINUED)

Potential Health Effects

Primary Routes of Entry: Inhalation, Dermal contact

Target Organs: Respiratory system, skin, eyes.

Inhalation: Acute exposure to airborne dust concentrations in excess of the PEL/TLV may result in coughing, dyspnea, wheezing, general irritation of the nose, throat, and upper respiratory tract, and impaired pulmonary function. Chronic exposures may result in lung disease (silicosis and/or lung cancer). (See Section 11 - Toxicological Information)

Skin Contact: Continued and prolonged contact may result in irritation to the skin. Continued chronic exposure may result in dermatitis.

Eye Contact: Direct contact may cause mechanical irritation.

Ingestion: No known adverse effects. May result in obstruction or temporary irritation of the digestive tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Weight Percent
Contains:		
Calcium Carbonate or Dolomite (Limestone)	1317-65-3 16389-88-1	>50
Crystalline Silica (Quartz)	14808-60-7	<5
And may contain one or more of the following:		
Mica	12001-26-2	<10
Talc (non-asbestiform)	14807-96-6	<5
Perlite	93763-70-3	<10
Attapulgite Clay	12174-11-7	<5
Sepiolite Clay	63800-37-3	<5
Smectite Clay	1302-78-9	<5
Polyvinyl Acetate Latex	NE	<5
Ethylene Vinyl Acetate Latex	NE	<5

4. FIRST AID MEASURES

- **Inhalation:** Remove exposed individual to fresh air immediately. If breathing difficulty persists, seek medical attention.
- **Skin:** Flush and wash skin with soap and water. Utilize lotions to alleviate dryness if present. Seek medical attention if irritation persists.
- **Eye:** Immediately flush eyes with water for 15 minutes. Remove contact lenses (if applicable). Seek medical attention if irritation persists.
- **Ingestion:** This product is not expected to be hazardous and no harmful effects are expected upon ingestion of small amounts. Larger amounts may cause abdominal discomfort or possible obstruction of the digestive tract. Seek medical attention if problems persist.

5. FIRE FIGHTING MEASURES

Flammable Properties
- Not flammable or combustible
- NFPA Hazard Class No: 1/0/0

Extinguishing media
- Dry chemical, foam, water, fog or spray

Protection of firefighters
- Standard protective equipment and precautions

Fire and Explosion Hazards
- None

Hazardous Combustion Products
- None
- Above 800^{o}C, limestone (calcium carbonate) can decompose to lime (calcium oxide) and release carbon dioxide (CO_2)

6. ACCIDENTAL RELEASE MEASURES

No special precautions required.

General recommendations:

- Wear appropriate Personal Protective Equipment. (See Section 8)
- Shovel or scoop spilled material back into container for use, if possible, or disposal.
- Maintain proper ventilation to minimize dust.
- Avoid washing material down drains. This material will eventually set and can cause clogs.
- Waste material is not a hazardous waste. Dispose of in accordance with applicable federal, state, and local regulations.

7. HANDLING AND STORAGE

- Avoid contact with eyes, skin and clothing.
- Wear recommended personal protective equipment when handling. (See Section 8)
- Avoid breathing vapors when opening container.
- Minimize generation of dust.
- Avoid breathing dust.
- Store material in a cool, dry, ventilated area. Do not store outside or in direct sunlight.
- Keep from freezing to preserve usefulness.
- Keep containers closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

	Exposure Limits	
Component	**OSHA PEL** (mg/m3)	**ACGIH TLV** (mg/m3)
Calcium Carbonate or Dolomite (limestone)	15 (T) 5 (R)	10 (T)
Crystalline silica (Quartz)	0.1 (R)	0.025 (R)
Mica	20 mppcf	3
Talc (non-asbestiform)	20 mppcf	2
Perlite	15(T) 5(R)	10(T)
Attapulgite Clay	NL	NL
Sepiolite Clay	NL	NL
Smectite Clay	NL	NL
Polyvinyl Acetate Latex	NE	NE
Ethylene Vinyl Acetate Latex	NE	NE

T- Total Dust
R- Respirable Dust
NL - Not Listed
NE - Not Established
mppcf - million particles per cubic foot

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

Engineering Controls

- Work/Hygiene Practices: Utilize methods to minimize dust production. Use sanders equipped with vacuum capabilities whenever possible. Utilize a light water spray when feasible.
- Ventilation: Provide local and general exhaust ventilation sufficient to maintain a dust level below the PEL/TLV.

Personal Protective Equipment

- Respiratory Protection: A NIOSH approved particulate respirator is recommended in poorly ventilated areas or if the PEL/TLV is exceeded. OSHA's 29 CFR 1910.134 (Respiratory Protection Standard) must be followed whenever work conditions require respirator use.
- Eye Protection: Safety glasses or goggles.
- Skin: Gloves, protective clothing and/or barrier creams may be utilized if conditions warrant.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to off white
Odor: Mild latex initially, Low to none after opening
Physical State: Solid (dry)
Ph: 7-9
Solubility (H2O): insoluble
Boiling, Freezing, Melting Point: Not Applicable
Decomposition Temperature: 825^{o}C
Vapor pressure: Not Applicable
Vapor density: Not Applicable
Volatile organic compounds (VOC) content: <2 g/l

Flammability: Not Applicable
Flash Point: Not Applicable
Upper/Lower explosive limits: Not applicable
Auto-ignition temperature: Not Applicable
Partition coefficient: n-octanol/water: Not applicable
Evaporation rate: Not Applicable
Molecular weight: Mixture
Molecular formula: Not applicable
Specific Gravity: ~1.0 - 1.8
Bulk Density: 62-105 lbs/ft.^{3}

10. STABILITY AND REACTIVITY

Chemical stability: Stable in dry environments.
Conditions to avoid: Contact with strong acids may result in generation of carbon dioxide.
Incompatibility: Strong acids
Hazardous decomposition: Above 825^{o}C decomposes to calcium oxide (CaO) and carbon dioxide ($CaCO_3$)
Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Human Data

There is no information on toxicokinetics, metabolism and distribution.

This product contains quartz (crystalline silica) as a naturally occurring contaminant. Chronic exposure to crystalline silica in the respirable size has been shown to cause silicosis, a debilitating lung disease. In addition, the International Agency for Research on Cancer (IARC) classifies crystalline silica inhaled in the form of quartz or cristobalite from occupational sources as carcinogenic to humans, Group 1. The National Toxicology Program (NTP) classifies respirable crystalline silica as a substance, which may be reasonably anticipated to be a carcinogen. OSHA does not regulate crystalline silica as a human carcinogen.

11. TOXICOLOGICAL INFORMATION (CONTINUED)

Human Data (Continued)

Some products may contain attapulgite clay. IARC classifies attapulgite (long fiber) carcinogenic to humans, Group 2B. Attapulgite is not classified as a carcinogen by NTP or OSHA.

Animal Data
LD_{50} and LC_{50}: Not available

12. ECOLOGICAL INFORMATION

This product does not present an ecological hazard to the environment.

Ecotoxicological Information
None available

Environmental Fate
Limestone is a naturally occurring mineral. Biodegradation and/or bioaccumulation potential is not applicable.

13. DISPOSAL CONSIDERATIONS

This material is not considered a hazardous waste. Dispose of according to Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORT INFORMATION

- This product is not a DOT hazardous material
- Shipping Name: Same as product name
- ICAO/IATA/IMO: Not applicable

15. REGULATORY INFORMATION

All ingredients are included on the TSCA inventory.

Federal Regulations

SARA Title III: Not listed under Sections 302, 304, and 313
CERCLA: Not listed
RCRA: Not listed
OSHA: Dust and potential respirable crystalline silica generated during product use may be hazardous.

State Regulations
California Prop 65: Respirable crystalline silica is known to the state of California to cause cancer. Industrial hygiene monitoring during recommended use of this product failed to identify any respirable crystalline silica.

Canada WHMIS
All components of this product are included in the Canadian Domestic Substances List (DSL).
Crystalline silica: WHMIS Classification D2A

16. OTHER INFORMATION

MSDS Revision Summary
Effective Date Change: 5/22/06 Supersedes: 11/23/04
Format Changes: ANSI Z400.1-2004 - Complies with GHS format

Key/Legend

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Services Number
CFR	Code of Federal Regulations
DOT	Department of Transportation
EPA	Environmental Protection Agency
HEPA	High Efficiency Particulate Air
HMIS	Hazardous Material Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMO	International Maritime Organization
NIOSH	National Institute for Occupational Safety and Health
NFPA	National Fire Protection Association
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PPE	Personal Protective Equipment
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This material safety data sheet was prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and with the Workplace Hazardous Materials Information System (WHMIS).

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