SECTION 16
OTHER INFORMATION

MSDS Revision Summary:
Effective Date Change: 01/01/2006 Supercedes: 04/01/2003

Product List for MSDS #FF3310-2
FIRM-FILL® 3310 Gypsum Concrete

Other Information

IMPORTANT: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation, and verification. Buyer assumes all risk of use, storage, and handling of the product in compliance with applicable federal, state, and local laws and regulations. Hacker Industries, Inc. makes no warranty of any kind, express, or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Hacker Industries, Inc. will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information is inaccurate, incomplete or otherwise misleading.

Key / Legend:

ACGIH	American Conference of Governmental Industrial Hygienists
C	Ceiling Limit
CAS	Chemical Abstract Services Number
CFR	Code of Federal Regulations
DOT	Department of Transportation
DSL	Domestic Substance List
EPA	Environmental Protection Agency
HEPA	High Efficiency Particulate Air
HMIS	Hazardous Material Identification System
IARC	International Agency for Research on Cancer
NA	Not Available or Not Applicable
NFPA	National Fire Protection Agency
NIOSH	National Institute for Occupational Safety and Health
NJTSR	New Jersey Trade Secret Registry
NSL	Non-Domestic Substance List
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PPE	Personal Protective Equipment
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
WHIMS	Workplace Hazardous Materials Information System

This is the end of
HACKER INDUSTRIES, INC. MSDS FF3310-2

SECTION 13
DISPOSAL CONSIDERATIONS

US EPA Waste Number & Descriptions

A: General Product Information

This product, if discarded, as supplied, is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. If processing, use, or contamination alters the material, the waste must be tested using methods described in 40 CFR 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

Not Applicable

Disposal Instructions

Dispose of as inert solid in landfill. Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.

SECTION 14
TRANSPORTATION INFORMATION

This material is not a DOT hazardous material

SECTION 15
REGULATORY INFORMATION

US Federal Regulations

A: General Product Information

Dust and potential respirable crystalline silica generated from mixing, sanding, or otherwise using this product may be hazardous. This product can be hazardous during rehydration (Section 3).

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

State Regulations

California Prop 65:

Airborne particles of respirable size of crystalline silica are known to the State of California to cause cancer. Worker exposure testing conducted by the manufacturer on various industrial gypsum products did not demonstrate an exposure to respirable crystalline silica.

CANADA WHMIS:

This product is not a controlled product.

SECTION 9
PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Gray Color	**Odor:**	Low Odor
Physical State:	Solid	**PH:**	10 – 12
Vapor Pressure:	Not Applicable	**Vapor Density:**	Not Applicable
Boiling Point:	Not Applicable	**Melting Point:**	1450°C decomposes
Solubility (H_2O):	Insoluble	**Specific Gravity:**	2.7 – 3.0

SECTION 10
CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical Stability
Stable Material
Chemical Stability: Conditions to Avoid
None Identified
Incompatibility
None Identified
Hazard Polymerization
Will not occur

SECTION 11
TOXICOLOGICAL INFORMATION

Chrystalline Silica:
Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen.

Prolonged exposure to respirable crystalline silica has been know to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.

Exposure associated with most uses of this product(s) should be well below the permissible exposure limits; however, employers should perform workplace testing to determine actual exposure levels.

SECTION 12
ECOLOGICAL INFORMATION

A: **Environmental Fate**
No information found.
B: **Environmental Toxicity – Aquatic Toxicity**
No information found.

Extinguishing Media
Not Applicable

SECTION 6
ACCIDENTAL RELEASE MEASURES

To prevent obstruction, do not wash down drain. Sweep or vacuum material into a waste container for disposal. Use water spray, if appropriate, to wet down and minimize dust generation. Wear approved respirator.

SECTION 7
HANDLING AND STORAGE

Handling Procedures
Exercise caution when hydrating product as severe burns can occur (Section 2). Avoid contact with eyes, skin, and clothing. Always test air before entry to ensure atmosphere is below the permissible exposure limit.

Storage Procedures
Store level and keep dry. Dew point or other conditions causing the presence of moisture will harden product during storage.

SECTION 8
EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines
Exposure limits can be found in Section 2: Composition / Information on Ingredients

Engineering Controls
Provide local and general exhaust ventilation to keep airborne concentrations below exposure limits. Use wet methods, if appropriate, to reduce generation of dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
(PPE RECOMMENDATIONS BELOW: IT MAY BE NECESSARY TO FOLLOW PPE REQUIREMENTS AS DETERMINED BY YOUR WORKPLACE)

Personal Protective Equipment: Eyes / Face
Wear eye goggles or safety glasses for nuisance dust. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 and 133) for eye and face protection.

Personal Protective Equipment: Skin
Protective gloves recommended to prevent drying or irritation of hands. Ensure compliance with OSHA's PPE standards 29 CFR 1910.132 (general) and 138 (hand protection).

Personal Protective Equipment: Respiratory
Wear NIOSH approved respirator when permissible exposures limit to dust may be exceeded.

Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

Potential Health Effects: Skin

Handling can cause dry skin. Portland cement may cause dermatitis. Skin contact during hardening (rehydration) may develop sufficient heat to cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or while in continuous, prolonged contact with skin.

Potential Health Effects: Inhalation

Dust can cause irritation to the respiratory tract. This product contains crystalline silica. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. Individual susceptibility to a given exposure amount may vary. The risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time of exposure.

Potential Health Effects: Eyes

Dust can cause mechanical eye irritation. This product is an alkaline material and may cause possible corrosive damage.

Potential Health Effects: Ingestion

Not applicable under normal conditions of use. Ingestion of a sufficient quantity may result in obstruction and temporary irritation of the digestive tract.

HMIS Ratings:	Health: 1	Fire: 0	Reactivity: 0		
Hazard Scale:	0=Minimal	1=Slight	2=Moderate	3=Serious	4=Severe

SECTION 4
FIRST AID MEASURES

First Aid: Eyes

Immediately rinse with water. Remove Contact lenses. Hold eyelids apart and flush eyes with water for at least 15 minutes. If irritation persists, get medical attention.

First Aid: Skin

Immediately wash affected areas with water and mild soap. Immediately remove contaminated clothing. Get medical attention. Launder contaminated clothing before reuse or dispose of properly.

First Aid: Ingestion

Ingestion may result in obstruction and/or irritation to the digestive tract. Get medical attention.

First Aid: Inhalation

Remove to fresh air immediately. If persistent irritation, severe coughing, or breathing difficulty occurs, get medical attention.

First Aid: Notes to Physician

Exposure may aggravate pre-existing eye, kidney, skin, respiratory and cardiovascular disorders.

SECTION 5
FIRE FIGHTING MEASURES

Flash Point

Not Applicable

Flammable Limits

Not Combustible

Hazardous Combustion Products

Not Applicable

Autoignition Temperature

Not Applicable

MATERIAL SAFETY DATA SHEET

Effective Date: 01/01/2006
Supercedes Date: 04/01/2003

SECTION 1
CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: FIRM-FILL® 3310 Gypsum Concrete

Supplier Information:

Hacker Industries, Inc.
610 Newport Center Drive, Ste. 250
Newport Beach, CA 92660
(949) 729-3101
(800) 642-3455

SECTION 2
COMPOSITION / INFORMATION ON INGREDIENTS

CAS#	Component	Percent	OSHA PEL	ACGIH TLV
26499-65-0	Calcium Sulfate	> 85%	15 mg/m^3 Total Dust 5 mg/m^3 Respirable	10 mg/m^3 Total Dust
65997-15-1	Portland Cement	< 15%	15 mg/m^3 Total Dust 5 mg/m^3 Respirable	2 mg/m^3 Total Dust

Gypsum and Portland cement contain naturally occurring crystalline silica (quartz). Due to its natural occurrence, the exact percentage of crystalline silica is unknown. Both OSHA PEL and ACGIH TLV are 0.1 mg/m^3 for respirable quartz dust.

SECTION 3
HAZARDS IDENTIFICATION

Emergency Overview

CAUTION! A natural chemical reaction during hardening (rehydration) develops sufficient heat to cause severe burns in the event of contact with skin. These burns may possibly result in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with the skin. Crushing, mixing or otherwise working with this product may generate large amounts of dust. Dust may cause upper respiratory tract, eye and skin irritation. This product also contains naturally occurring crystalline silica (quartz), which is listed as a lung carcinogen.

Description: A gray powder, low odor.

Target Organs: Eye, Respiratory Tract, Skin