Section 1. Identification

Product Name: FORPAC® FP52
Effective Date: 31 May 2015 **Replaces:** 10 January 2011
Manufacturer Name: FORPAC® Products, Inc.
Address: 1603 Grove Ave
Haines City, FL 33844

EMERGENCY PHONE: 863-204-8020

Section 2. Hazard(s) Identification

Hazard pictograms (GHS-US) Irritant

Hazard pictograms (GHS-US) Health Hazards

Signal Word (GHS-US) Warning

Hazard statement (GHS-US)

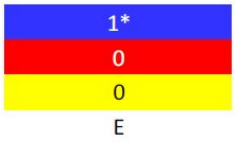
H303	Can be harmful if swallowed
H320	Causes eye irritation
H335	May cause respiratory irritation
H313	May be harmful in contact with skin

Precautionary statements (GHS-US)

P402	Store in a dry place
P280	Wear protective gloves/clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER for doctor/physician.

HMIS codes:

Health:	1
Flammability:	0
Reactivity:	0
Protective equipment:	E



Information concerning particular hazards for human and environment:
May be harmful if ingested.
Dust may be irritating to eyes, respiratory system, and skin.
Not known to cause reproductive harm or birth defects.
Keep out of the reach of children.

Section 3. Composition / Information on Ingredients

CAS #	Name	Exposure Limits	
14808-60-7	Crystalline Silica	OSHA PEL (Respiratory Quartz)	10 mg/m3 (% silica + 2)
		ACHIG TLV	0.025 mg/m3 (respirable)
65997-15-1	Portland Cement	OSHA PEL (Respirable)	5 mg/m3
		OSHA PEL (Total)	15 mg/m3
		ACGIH TLV (Respirable)	10 mg/m3 (Less 1% Quartz)
13058-62-0	Calcium Carbonate	OSHA PEL 15mg/m3	5 mg/m3
		NIOSH 10mg/m3 TWA	5 mg/m3
1305-62-0	Calcium Hydroxide	OSHA PEL 5mg/m3	5 mg/m3
		ACHIH TLV	5mg/m3

Additional Information n/a

Section 4. First Aid Measures

Description of First Aid Measures

General Advice: n/a

After Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If having difficulty breathing, give oxygen.
Get immediate medical attention.

After skin contact: Wash the affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

After swallowing: Do not induce vomiting Get medical attention immediately.

Section 5. Fire Fighting Measures

General Information: n/a
Flash Point: n/a
Suitable extinguishing agents: For the dried product, use carbon dioxide, dry chemical, or alcohol foam.

Hazardous combustion products: n/a

Protective equipment: n/a

Firefighting instructions: n/a

Section 6. Accidental Release Measures

Measures for environmental protection: Keep spilled products out of sewers, streams, and water systems.

Measures for cleaning/collecting: For dry material, collect by sweeping and scooping. Transfer collected material to a container, being careful to minimize creation of dust. For wet material, scoop material up and transfer to an open container. Allow material to dry before disposal.

Additional Information: See section 13 and section 15 for specific regulatory information concerning the product.

Section 7. Handling and Storage

Handling:
Wear appropriate protective equipment when working with this product. Promptly remove dusty clothing, or clothing wet with product mix and launder before re-use. Wash thoroughly after exposure to product mixtures. Keep out of the reach of children.
Storage:
Store in a dry location. Atmospheric temperatures and pressures do not affect the shelf life of this product. However, moisture contamination will render the product useless. Keep product dry until use.

Section 8. Exposure Controls / Personal Protection

CAS #	Name	Exposure Limits	
14808-60-7	Crystalline Silica	OSHA PEL (Respiratory Quartz)	10 mg/m3 (% silica + 2)

		ACHIG TLV	0.025 mg/m3 (respirable)
65997-15-1	Portland Cement	OSHA PEL (Respirable)	5 mg/m3
		OSHA PEL (Total)	15 mg/m3
		ACGIH TLV (Respirable)	10 mg/m3 (Less 1% Quartz)
13058-62-0	Calcium Carbonate	OSHA PEL 15mg/m3	5 mg/m3
		NIOSH 10mg/m3 TWA	5 mg/m3
1305-62-0	Calcium Hydroxide	OSHA PEL 5mg/m3	5 mg/m3
		ACHIH TLV	5mg/m3

Additional Information — The lists valid during the making were used as a basic.

Ventilation: — Use local exhaust. General exhaust acceptable if the exposure to materials above is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, and 1910.108.

Respiratory protection: — If personal exposure cannot or may not be controlled below applicable limits by ventilation, wear a properly fitted respirator approved by NIOSH/MSHA for protection against materials described above.

Eye protection: — Wear safety glasses to reduce the potential for eye contact.

Skin protection: — Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing.

Section 9. Physical and Chemical Properties

General Information	
form	Powdered solid
color	White and or gray
odor	No distinct odor
pH	12-13 in water
Change in condition	
Melting point/melting point range	n/a
Boiling point/boiling point range	n/a
Evaporation rate	n/a
Vapor density	n/a
Specific gravity	2.46
Solubility in/miscibility with water	dispersible
Density at 20ºC	20.50 lb/gal.
V.O.C.	0.0 g/l (0.0 lb/gal)

Section 10. Stability and Reactivity

Conditions to be avoided: None known.
Chemical stability: Stable
Materials to be avoided: None known
Hazardous polymerization: Will not occur.
Dangerous decomposition products: Will not spontaneously occur. Addition of water will produce caustic calcium hydroxide, which can cause chemical burns.

Section 11. Toxicological Information

Acute toxicity

Crystalline silica (quartz, cristobalite) — Considered a known carcinogen by Federal (OSHA) and advising health

agencies (IARC, NIOSH, and NTP). Additionally, crystalline silica can cause a lung condition known as silicosis after long term exposure to dust containing crystalline silica. Exposure of workers to crystalline silica containing dusts is specifically regulated by OSHA. The use of a correctly fitted, NIOSH approved respirator suitable for use against crystalline silica inhalation is essential for minimizing exposure to this danger.

Mineral dusts — Some items mentioned in section 8 are considered mineral dusts by OSHA and correctly fitted, NIOSH approved respirator is required when working with this product.

Portland cement and calcium hydroxide — A single, short term exposure to the dry form of these two items, which are present in this cement concentrate mix, are not likely to cause serious harm. However, exposure of sufficient duration to wet cement can cause serious, potentially irreversible tissue destruction of the skin or eye from caustic chemical burns, including third degree burns. The same type of tissue destruction can occur if wet or moist areas of the body are exposed for sufficient duration to dry cement concentrate. Wet cement is caustic and personal protective equipment, and proper work hygiene, must be employed for protection against personal injury.

Primary irritation effects

On the skin — Exposure of skin to wet product may cause chemical burns. Symptoms of exposure may take several hours to manifest.

On the eye — Exposure of eyes to wet product may cause chemical burns and blindness. Exposure to airborne dust can cause immediate or delayed irritation or inflammation.

Through ingestion — May be harmful if ingested.

Through inhalation — Dust generated during handling this product may cause irritation to the respiratory tract.

Additional toxicological information — n/a

Section 12. Ecological Information

Elimination (persistence and degradability): n/a
Behavior in environmental systems: n/a
Mobility and bioaccumulation potential: n/a
General notes: n/a

Section 13. Disposal Considerations

Product Recommendation: This product must be disposed of in accordance with applicable local, state and federal regulations. Where possible, it is best to use up any excess material.

Uncleaned packaging recommendations: Disposal must be made according to official regulations.

Section 14. Transport Information

Proper Shipping name: Not applicable
Proper Hazard Class: Not hazardous
Hazard Code: Non hazardous
Bill of Lading Description: Adhesives, NOI

Section 15. Regulatory Information

Land transport USDOT — Not classified as a dangerous good under transport regulations.
Sea transport IMDG — Not classified as a dangerous good under transport regulations.
Air transport IATA/ICAO — Not classified as a dangerous good under transport regulations.

CERCLA, section 103 (40CFR302.4)

This product contains the following toxic chemicals that require notification of the National Response Center of releases of quantities of hazardous substances equal to or greater than the Reportable quantity (RQ): No reportable quantities are present.
Clean Air Act, Section 112
This product contains the following components present at or above the minimum level and listed as Hazardous or Extremely Hazardous Air Pollutants: No reportable quantities are present.
SARA, section 302 (40CFR355.30) and section 304 (40CFR355.40)
This product contains the following items that require emergency planning based on Threshold Planning Quantities (TPQ) or release reporting based on RQ: No reportable quantities are present.
SARA, section 311/312 (40CFR370.21) Hazard classification for this product
Fire: No Pressure Generating: No Reactivity: No Acute Health: Yes Chronic Health: Yes
SARA, section 313 (40CFR372.65)
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986: No reportable quantities are present.
EPA VOC regulations
Theoretical VOC for this product = 0.0 g/L (0.0 g/gal)
TSCA
All components of this product are listed, or are exempt from listing on the TSCA inventory.
OSHA
This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR1910.1200). Unlisted ingredients are not 'hazardous' per OSHA standards. In addition to the items listed in Section 11, this product contains the following items that are specifically regulated by OSHA. Exposure limits may be found in Section 8. Portland cement CAS # 65997-15-1

California
Warning - The following chemicals are present in this coating product in small amounts. These chemicals are listed by the California EPA as materials known to the State of California to cause cancer, (and/or) birth defects, (and/or) other reproductive harm: Portland cement: CAS # 65997-15-1 Calcium Carbonate: CAS # 65997-15-1 Crystalline Silica: CAS # 14808-60-7

Abbreviations:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
ºC	Celsius temperature scale	ºF	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
≤	Less Than or Equal To	≥	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List

EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftliste 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content		
ACGIH	American Conference of Governmental Industrial Hygienists		
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

Section 16. Other Information

SDS Prepared by: FORPAC Regulatory Department

SDS Prepared on: May 22, 2015

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