

**Safety Data Sheet**

Prepared In Accordance With HPR  
(SOR / 2015 - 17)

**1. Identification of the Substance/Mixture and the Company/Undertaking**

|     |                                                                                      |                                                                                          |                         |            |
|-----|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------|------------|
| 1.1 | <b>Product Identifier</b>                                                            | INFRRNP-SDS                                                                              | <b>Revision Date:</b>   | 10/02/2026 |
|     | <b>Product Name:</b>                                                                 | Matacrete Ready Rep N Powder                                                             | <b>Supersedes Date:</b> | 01/10/2025 |
| 1.2 | <b>Relevant identified uses of the substance or mixture and uses advised against</b> | Construction chemical. See Technical Datasheet. Advised against: others than recommended |                         |            |

**1.3 Details of the supplier of the safety data sheet**

**Supplier:** FPT Infrastructure, Division of Fibrecrete Preservation Technologies, Inc.  
401 Old US 52 South  
Mount Airy, NC 27030  
USA  
Phone: (336) 789 7259  
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info@fptinfrastructure.com

**Datasheet Produced by:** EHS@FPTInfrastructure.com

|     |                                    |                                                                                                                                                                                                                                                             |
|-----|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.4 | <b>Emergency telephone number:</b> | +1 703-741-5970 - North America<br>+1 800-424-9300<br>+55 11 4349 1359 - South America<br>+52 55 8526 4930 - Central America<br>+44 20 3885 0382 - Middle East, Eastern Europe, Western Europe, And Africa<br>+65 3163 8374 - Asia, South Asia, And Oceania |
|-----|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**2. Hazard Identification****2.1 Classification of the substance or mixture**

Carcinogenicity, category 1A  
Eye Irritation, category 2A  
Reproductive Toxicity, category 1B  
Skin Irritation, category 2  
STOT, single exposure, category 1

## 2.2 Label elements

### Symbol(s) of Product



### Signal Word

Danger

### Named Chemicals on Label

Limestone, quartz (silicon dioxide)

### HAZARD STATEMENTS

|                                    |          |                                |
|------------------------------------|----------|--------------------------------|
| Skin Irritation, category 2        | H315     | Causes skin irritation.        |
| Eye Irritation, category 2A        | H319     | Causes serious eye irritation. |
| Carcinogenicity, category 1A       | H350-1A  | May cause cancer.              |
| Reproductive Toxicity, category 1B | H360D-1B | May damage the unborn child.   |
| STOT, single exposure, category 1  | H370     | Causes damage to organs.       |

### PRECAUTION PHRASES

|              |                                                                                                                                     |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------|
| P201         | Obtain special instructions before use.                                                                                             |
| P202         | Do not handle until all safety precautions have been read and understood.                                                           |
| P260         | Do not breathe dust/fume/gas/mist/vapours/spray.                                                                                    |
| P264         | Wash hands thoroughly after handling.                                                                                               |
| P280         | Wear protective gloves/protective clothing/eye protection/face protection.                                                          |
| P284         | Wear respiratory protection.                                                                                                        |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. |
| P307+311     | IF exposed, call a POISON CENTER or doctor/physician.                                                                               |
| P308+313     | IF exposed or concerned: Get medical advice/attention.                                                                              |
| P308+P313    | IF exposed or concerned: Get medical advice/attention                                                                               |
| P314         | Get medical advice/attention if you feel unwell.                                                                                    |
| P332+313     | If skin irritation occurs: Get medical advice/attention.                                                                            |

## 2.3 Other hazards

No Information

### Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

## 3. Composition/Information On Ingredients

### 3.2 Mixtures

#### Hazardous ingredients

| <u>Name According to EEC</u> | <u>EINEC No.</u> | <u>CAS-No.</u> | <u>%</u> | <u>Classifications</u> |                                                  |
|------------------------------|------------------|----------------|----------|------------------------|--------------------------------------------------|
| quartz (silicon dioxide)     | 238-878-4        | 14808-60-7     | 80-<100  | H350-370               | Carc. 1A, STOT SE 1                              |
| Limestone                    | 215-279-6        | 1317-65-3      | 10 - <30 | H315-319-350-372       | Carc. 1A, Eye Irrit. 2, Skin Irrit. 2, STOT RE 1 |

**CAS-No.**

14808-60-7  
1317-65-3  
Not Available

**M-Factors**

**Additional Information:** The text for GHS Hazard Statements shown above (if any) is given in Section 16.

## 4. First-aid Measures

### 4.1 Description of First Aid Measures

**GENERAL NOTES:** No Information

**AFTER INHALATION:** Move to fresh air.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off with soap and plenty of water.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses.

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person.

### Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

### 4.2 Most important symptoms and effects, both acute and delayed

No Information

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## 5. Fire-fighting Measures

### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

### 5.2 Special hazards arising from the substance or mixture

No Information

### 5.3 Advice for firefighters

No dangerous ingredients according to Regulation (EC) No. 1907/2006. In the event of fire, wear self-contained breathing apparatus. High volume water jet. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. None.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use personal protective equipment.

### 6.2 Environmental precautions

No Information

### 6.3 Methods and material for containment and cleaning up

Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away traces with water.

## 6.4 Reference to other sections

Please refer to disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

**INSTRUCTIONS FOR SAFE HANDLING:** Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment. Avoid dust formation. Protect from moisture.

**PROTECTION AND HYGIENE MEASURES:** Wash hands before breaks and at the end of workday. Do not breathe dust. When using, do not eat, drink or smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

**CONDITIONS TO AVOID:** No Information

**STORAGE CONDITIONS:** Keep tightly closed in a dry and cool place.

### 7.3 Specific end use(s)

No specific advice for end use available.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Ingredients with Occupational Exposure Limits (US)

| <u>Name</u>              | <u>CAS-No.</u> | <u>ACGIH TWA</u> | <u>ACGIH STEL</u> | <u>ACGIH Ceiling</u> |
|--------------------------|----------------|------------------|-------------------|----------------------|
| quartz (silicon dioxide) | 14808-60-7     | 0.025 MGM3       |                   |                      |
| Limestone                | 1317-65-3      | 10.00 MG/M3      |                   |                      |
| Phosphoric Acid Ester    | Not Available  |                  |                   |                      |

| <u>Name</u>              | <u>CAS-No.</u> | <u>OSHA PEL</u>                                    | <u>OSHA STEL</u> |
|--------------------------|----------------|----------------------------------------------------|------------------|
| quartz (silicon dioxide) | 14808-60-7     | 0.05 MGM3                                          |                  |
| Limestone                | 1317-65-3      | 5 MGM3 15 MGM3 5<br>MGM3 15 MGM3 5<br>MGM3 15 MGM3 |                  |
| Phosphoric Acid Ester    | Not Available  |                                                    |                  |

**FURTHER INFORMATION:** Refer to the regulatory exposure limits for the workforce enforced in each country.

### 8.2 Exposure controls

#### Personal Protection

**RESPIRATORY PROTECTION:** Effective dust mask.

**EYE PROTECTION:** Safety glasses.

**HAND PROTECTION:** Protective gloves.

**Body Protection:** Long sleeved clothing.

Remove and wash contaminated clothing before re-use.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                                                            |                |
|------------------------------------------------------------|----------------|
| <b>Appearance:</b>                                         | Gray Powder    |
| <b>Physical State</b>                                      | Solid          |
| <b>Odor</b>                                                | None           |
| <b>Odor threshold</b>                                      | Not determined |
| <b>pH</b>                                                  | Not determined |
| <b>Melting point / freezing point (°C)</b>                 | Not determined |
| <b>Boiling point/range (°C)</b>                            | N.D. - N.D.    |
| <b>Flash Point, (°C)</b>                                   | 999            |
| <b>Evaporation rate</b>                                    | Not determined |
| <b>Flammability (solid, gas)</b>                           | Not determined |
| <b>Upper/lower flammability or explosive limits - %(V)</b> | Not determined |
| <b>Vapour Pressure</b>                                     | Not determined |
| <b>Vapour density</b>                                      | Not determined |
| <b>Relative density</b>                                    | .9             |
| <b>Solubility in / Miscibility with water</b>              | Not determined |
| <b>Partition coefficient: n-octanol/water</b>              | Not determined |
| <b>Auto-ignition temperature (°C)</b>                      | Not determined |
| <b>Decomposition temperature (°C)</b>                      | Not determined |
| <b>Viscosity</b>                                           | Not determined |
| <b>Explosive properties</b>                                | Not determined |
| <b>Oxidising properties</b>                                | Not determined |
| <b>Particle Characteristics</b>                            | Not applicable |
| <b>Kinematic Viscosity</b>                                 | Not determined |
| <b>Relative Vapour Density</b>                             | Not determined |

**9.2 Other information**

|                                 |                |
|---------------------------------|----------------|
| <b>VOC Content g/l:</b>         | Not determined |
| <b>Specific Gravity (g/cm3)</b> | 1.300          |

## 10. Stability and Reactivity

**10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

No Information

**10.5 Incompatible materials**

Do not store near acids.

**10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

**11. Toxicological Information****11.1 Information on toxicological effects****Acute Toxicity:**

Oral LD50: No information available.

Inhalation LC50: No information available.

Irritation: No information available.

Corrosivity: No information available.

Sensitization: No information available.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.  
Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>     | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> | <u>Gas LC50</u> | <u>Dust/Mist LC50</u> |
|----------------|--------------------------|------------------|--------------------|-------------------|-----------------|-----------------------|
| 14808-60-7     | quartz (silicon dioxide) | >2000 mg/kg      |                    |                   | 0.000           | 0.000                 |

**Additional Information:**

Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimis exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems. This product may contain Quartz (silicon dioxide), which is listed by IARC as a known carcinogenic to humans (Group 1). This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

## 12. Ecological Information

### 12.1 Toxicity:

|                      |                |
|----------------------|----------------|
| EC50 48hr (Daphnia): | No information |
| IC50 72hr (Algae):   | No information |
| LC50 96hr (fish):    | No information |

12.2 Persistence and degradability: No information

12.3 Bioaccumulative potential: No information

12.4 Mobility in soil: No information

12.5 Results of PBT and vPvB assessment: The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

12.6 Other adverse effects: No information

| <u>CAS-No.</u> | <u>Chemical Name</u>     | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|--------------------------|------------------|------------------|------------------|
| 14808-60-7     | quartz (silicon dioxide) | No information   | No information   |                  |
| 1317-65-3      | Limestone                | No information   | No information   |                  |
| Not Available  | Phosphoric Acid Ester    | No information   | No information   | No information   |

## 13. Disposal Considerations

13.1 **WASTE TREATMENT METHODS:** If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

|                                                                               |                                                                                         |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 14.1 UN number                                                                | Not applicable                                                                          |
| 14.2 UN proper shipping name                                                  | Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations. |
| Technical name                                                                | Not applicable                                                                          |
| 14.3 Transport hazard class(es)                                               | Not applicable                                                                          |
| Subsidiary shipping hazard                                                    | Not applicable                                                                          |
| 14.4 Packing group                                                            | Not applicable                                                                          |
| 14.5 Environmental hazards                                                    | Not applicable                                                                          |
| 14.6 Special precautions for user                                             | Not applicable                                                                          |
| EmS-No.:                                                                      | Not applicable                                                                          |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | Not applicable                                                                          |

## 15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation for the substance or mixture:

**National Regulations:**

|                                             |               |
|---------------------------------------------|---------------|
| <b>Denmark Product Registration Number:</b> | Not available |
| <b>Danish MAL Code:</b>                     | Not available |
| <b>Danish MAL Code - Mixture:</b>           | Not available |
| <b>Sweden Product Registration Number:</b>  | Not available |
| <b>Norway Product Registration Number:</b>  | Not available |
| <b>WGK Class:</b>                           | Not available |

**International Regulations: As follows -****\* Canadian DSL:**

All chemical ingredients included on inventory or exempt.

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**16. Other Information****Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

|      |                                                                 |
|------|-----------------------------------------------------------------|
| H315 | Causes skin irritation.                                         |
| H319 | Causes serious eye irritation.                                  |
| H350 | May cause cancer.                                               |
| H370 | Causes damage to organs.                                        |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life.                                     |
| H412 | Harmful to aquatic life with long lasting effects.              |

**Reasons for revision**

Revision Report Changed

Substance and/or Product Properties Changed in Section(s):

01 - Identification

08 - Exposure Controls/Personal Protection

09 - Physical and Chemical Properties

14 - Transportation Information

15 - Regulatory Information

Revision Statement(s) Changed

## List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

## Acronym &amp; Abbreviation Key:

|        |                                                                        |
|--------|------------------------------------------------------------------------|
| CLP    | Classification, Labeling & Packaging Regulation                        |
| EC     | European Commission                                                    |
| EU     | European Union                                                         |
| US     | United States                                                          |
| CAS    | Chemical Abstract Service                                              |
| EINECS | European Inventory of Existing Chemical Substances                     |
| REACH  | Registration, Evaluation, Authorization of Chemicals Regulation        |
| GHS    | Globally Harmonized System of Classification and Labeling of Chemicals |
| LTEL   | Long term exposure limit                                               |
| STEL   | Short term exposure limit                                              |
| OEL    | Occupational exposure limit                                            |
| ppm    | Parts per million                                                      |
| mg/m3  | Milligrams per cubic meter                                             |
| TLV    | Threshold Limit Value                                                  |
| ACGIH  | American Conference of Governmental Industrial Hygienists              |
| OSHA   | Occupational Safety & Health Administration                            |
| PEL    | Permissible Exposure Limits                                            |
| VOC    | Volatile organic compounds                                             |
| g/l    | Grams per liter                                                        |
| mg/kg  | Milligrams per kilogram                                                |
| N/A    | Not applicable                                                         |
| LD50   | Lethal dose at 50%                                                     |
| LC50   | Lethal concentration at 50%                                            |
| EC50   | Half maximal effective concentration                                   |
| IC50   | Half maximal inhibitory concentration                                  |
| PBT    | Persistent bioaccumulative toxic chemical                              |
| vPvB   | Very persistent and very bioaccumulative                               |
| EEC    | European Economic Community                                            |
| ADR    | International Transport of Dangerous Goods by Road                     |
| RID    | International Transport of Dangerous Goods by Rail                     |
| UN     | United Nations                                                         |
| IMDG   | International Maritime Dangerous Goods Code                            |
| IATA   | International Air Transport Association                                |

MARPOL International Convention for the Prevention of Pollution From Ships, 1973 as  
modified by the Protocol of 1978

IBC International Bulk Container

RTI Respiratory Tract Irritation

NE Narcotic Effects

IMO International Maritime Organization

Note P: The classification as a carcinogen or mutagen need not apply; the substance  
contains less than 0,1 % w/w benzene

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in  
powder form containing 1 % or more of titanium dioxide which is in the form of  
or incorporated in particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ .

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.

