

# SAFETY DATA SHEET

Preparation Date: 02/25/2015

Revision Date: 07/27/2018

Revision Number: G2

## 1. IDENTIFICATION

### Product identifier

**Product code:** F1036  
**Product Name:** FERRIC PYROPHOSPHATE, POWDER, FCC

### Other means of identification

**Synonyms:** No information available  
**CAS #:** 10058-44-3  
**RTECS #** Not available  
**CI#:** Not available

### Recommended use of the chemical and restrictions on use

**Recommended use:** No information available.  
**Uses advised against** No information available

**Supplier:** Jiangsu Khonor Chemicals Co., Limited  
Rm 1902 Easey Comm Bldg, 253-261,  
Hennessy RD Wanchai HK

**Order Online At:** www.khonorchem.com  
**Emergency telephone number** +86 19851890163  
**Contact Person:** Jane Hu  
**E-mail:** jane@khonorchem.com

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is not considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

Not classified

### Hazards not otherwise classified (HNOC)

Not Applicable

### Other hazards

Not available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components           | CAS-No.    | Weight % |
|----------------------|------------|----------|
| Ferric Pyrophosphate | 10058-44-3 | 100      |

### 4. FIRST AID MEASURES

#### First aid measures

|                        |                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice:</b> | National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.          |
| <b>Skin Contact:</b>   | Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary. |
| <b>Eye Contact:</b>    | Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.                                                         |
| <b>Inhalation:</b>     | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.                                                 |
| <b>Ingestion:</b>      | Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.                                          |

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

|                 |                                                            |
|-----------------|------------------------------------------------------------|
| <b>Symptoms</b> | Health injuries are not known or expected under normal use |
|-----------------|------------------------------------------------------------|

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

|                            |                        |
|----------------------------|------------------------|
| <b>Notes to Physician:</b> | Treat symptomatically. |
|----------------------------|------------------------|

#### Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

|                                      |                               |
|--------------------------------------|-------------------------------|
| <b>Suitable Extinguishing Media:</b> | The product is not flammable. |
|--------------------------------------|-------------------------------|

|                                        |                           |
|----------------------------------------|---------------------------|
| <b>Unsuitable Extinguishing Media:</b> | No information available. |
|----------------------------------------|---------------------------|

#### Specific hazards arising from the chemical

|                                       |                           |
|---------------------------------------|---------------------------|
| <b>Hazardous Combustion Products:</b> | No information available. |
|---------------------------------------|---------------------------|

|                          |                           |
|--------------------------|---------------------------|
| <b>Specific hazards:</b> | No information available. |
|--------------------------|---------------------------|

#### Special Protective Actions for Firefighters

|                          |                           |
|--------------------------|---------------------------|
| <b>Specific Methods:</b> | No information available. |
|--------------------------|---------------------------|

|                                                       |                                                                                                                                       |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special Protective Equipment for Firefighters:</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions:** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms.

**Safe Handling Advice**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe dust.

### Conditions for safe storage, including any incompatibilities

**Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

**Incompatible Materials:**

No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### National occupational exposure limits

##### United States

| Components           | CAS-No.    | OSHA | NIOSH | ACGIH | AIHA WEEL |
|----------------------|------------|------|-------|-------|-----------|
| Ferric Pyrophosphate | 10058-44-3 | None | None  | None  | None      |

##### Canada

| Components           | CAS-No.    | Canada - Alberta | Canada - British Columbia | Canada - Ontario | Canada - Quebec |
|----------------------|------------|------------------|---------------------------|------------------|-----------------|
| Ferric Pyrophosphate | 10058-44-3 | None             | None                      | None             | None            |

##### Australia and Mexico

| Components           | CAS-No.    | Australia | Mexico |
|----------------------|------------|-----------|--------|
| Ferric Pyrophosphate | 10058-44-3 | None      | None   |

## Appropriate engineering controls

### Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

## Individual protection measures, such as personal protective equipment

### Personal Protective Equipment

|                                  |                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye protection:</b>           | Safety glasses with side-shields                                                                                                                                                                                                                                                                                                                                                             |
| <b>Skin and body protection:</b> | Long sleeved clothing<br>Chemical resistant apron<br>Gloves                                                                                                                                                                                                                                                                                                                                  |
| <b>Respiratory protection:</b>   | Effective dust mask. or. Wear respirator with dust filter. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent. |
| <b>Hygiene measures:</b>         | Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.                                                                                                                                                                                                                                     |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                                |                                                                             |                                                                                    |
|----------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Physical state:</b><br>Solid                                | <b>Appearance:</b><br>No information available.                             | <b>Color:</b><br>No information available.                                         |
| <b>Odor:</b><br>No information available.                      | <b>Taste</b><br>No information available.                                   | <b>Formula:</b><br>$\text{Fe}_4(\text{P}_2\text{O}_7)_3 \cdot x\text{H}_2\text{O}$ |
| <b>Molecular/Formula weight (g/mole):</b><br>745.22            | <b>Flammability:</b><br>No information available                            | <b>Flashpoint (°C/°F):</b><br>No information available.                            |
| <b>Flash Point Tested according to:</b><br>Not available       | <b>Autoignition Temperature (°C/°F):</b><br>No information available        | <b>Lower Explosion Limit (%):</b><br>No information available                      |
| <b>Upper Explosion Limit (%):</b><br>No information available  | <b>Melting point/range(°C/°F):</b><br>Decomposes                            | <b>Decomposition temperature(°C/°F):</b><br>No information available               |
| <b>Boiling point/range(°C/°F):</b><br>No information available | <b>Bulk density:</b><br>No information available                            | <b>Density (g/cm3):</b><br>No information available                                |
| <b>Specific gravity:</b><br>No information available           | <b>pH:</b><br>No information available                                      | <b>Vapor pressure @ 20°C (kPa):</b><br>No information available                    |
| <b>Evaporation rate:</b><br>No information available           | <b>Vapor density:</b><br>No information available                           | <b>VOC content (g/L):</b><br>No information available                              |
| <b>Odor threshold (ppm):</b><br>No information available       | <b>Partition coefficient (n-octanol/water):</b><br>No information available | <b>Viscosity:</b><br>No information available                                      |

**Miscibility:**  
No information available

**Solubility:**  
No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No information available

### Chemical stability

**Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Excess Heat.

**Incompatible Materials:** No information available

**Hazardous decomposition products:** No information available.

### Other Information

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Principal Routes of Exposure:**

Eyes. Ingestion. Inhalation.

### Acute Toxicity

#### **Component Information**

|                      |            |
|----------------------|------------|
| Ferric Pyrophosphate |            |
| CAS-No.              | 10058-44-3 |

**LD50/oral/rat** = No information available

**LD50/oral/mouse** = No information available

**LD50/dermal/rabbit** = No information available

**LD50/dermal/rat** = No information available

**LC50/inhalation/rat** = No information available

**LC50/inhalation/mouse** = No information available

**Other LD50 or LC50 information** = No information available

#### **Product Information**

**LD50/oral/rat =**

**VALUE- Acute Tox Oral** = No information available

**LD50/oral/mouse =**

**Value - Acute Tox Oral** = No information available

**Product code:** F1036

**Product name:** FERRIC  
PYROPHOSPHATE, POWDER, FCC

**5 / 10**

**LD50/dermal/rabbit****VALUE-Acute Tox Dermal** = No information available**LD50/dermal/rat****VALUE -Acute Tox Dermal** = No information available**LC50/inhalation/rat****VALUE-Vapor** = No information available**VALUE-Gas** = No information available**VALUE-Dust/Mist** = No information available**LC50/Inhalation/mouse****VALUE-Vapor** = No information available**VALUE - Gas** = No information available**VALUE - Dust/Mist** = No information available**Symptoms****Skin Contact:** May cause skin irritation.**Eye Contact:** May cause eye irritation.**Inhalation** May cause irritation of respiratory tract.**Ingestion** Health injuries are not known or expected under normal use.**Aspiration hazard** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Chronic Toxicity** No information available.**Sensitization:** No information available.**Mutagenic Effects:** No information available**Carcinogenic effects:** Not considered carcinogenic.

| Components           | CAS-No.    | IARC       | ACGIH - Carcinogens | NTP        | OSHA HCS - Carcinogens | Australia - Notifiable Carcinogenic Substances | Australia - Prohibited Carcinogenic Substances |
|----------------------|------------|------------|---------------------|------------|------------------------|------------------------------------------------|------------------------------------------------|
| Ferric Pyrophosphate | 10058-44-3 | Not listed | Not listed          | Not listed | Not listed             | Not listed                                     | Not listed                                     |

*ACGIH (American Conference of Governmental Industrial Hygienists)**IARC (International Agency for Research on Cancer)**NTP (National Toxicology Program)**OSHA (Occupational Safety and Health Administration of the US Department of Labor)***Reproductive toxicity** No data is available**Reproductive Effects:** No information available**Developmental Effects:** No information available**Teratogenic Effects:** No information available**Specific Target Organ Toxicity****STOT - single exposure** No information available.**Product code:** F1036**Product name:** FERRIC  
PYROPHOSPHATE, POWDER, FCC

**STOT - repeated exposure** No information available.  
**Target Organs:** No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Ecotoxicity effects:** No data available.

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

**Waste from residues / unused products:**  
Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**  
Empty containers should be taken for local recycling, recovery or waste disposal

| Components           | CAS-No.    | RCRA - F Series<br>Wastes | RCRA - K Series<br>Wastes | RCRA - P Series<br>Wastes | RCRA - U Series<br>Wastes |
|----------------------|------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Ferric Pyrophosphate | 10058-44-3 | None                      | None                      | None                      | None                      |

## 14. TRANSPORT INFORMATION

### DOT

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Class** No information available  
**Packing group:** No information available  
**Emergency Response Guide Number** No information available  
**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions** No Information available  
**Symbol(s):** No information available  
**Description:** No information available

### TDG (Canada)

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Marine Pollutant** No Information available  
**Description:** No information available

### ADR

**Product code:** F1036

**Product name:** FERRIC  
PYROPHOSPHATE, POWDER, FCC

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Packing Group:** No information available  
**Subsidiary Risk:** No information available

#### IMO / IMDG

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Marine Pollutant** No information available

#### RID

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available

#### ICAO

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available

#### IATA

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**ERG Code:** No information available  
**Special Provisions** No information available

### 15. REGULATORY INFORMATION

#### International Inventories

| Components                  | CAS-No.    | U.S. TSCA       | KOREA KECL          | Philippines (PICCS) | Japan ENCS  | CHINA       | Australia (AICS) | EINECS-No.           |
|-----------------------------|------------|-----------------|---------------------|---------------------|-------------|-------------|------------------|----------------------|
| <i>Ferric Pyrophosphate</i> | 10058-44-3 | Present(ACTIVE) | Present<br>KE-33524 | Not present         | Not present | Not present | Present          | Present<br>233-190-0 |

#### U.S. Regulations

##### *Ferric Pyrophosphate*

**FDA - Food Additives Generally Recognized as Safe (GRAS):** 21 CFR 184.1304

**FDA - 21 CFR - Total Food Additives** 184.1304 582.80

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

##### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

##### Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

**Product code:** F1036

**Product name:** FERRIC  
PYROPHOSPHATE, POWDER, FCC

| Components           | CAS-No.    | Carcinogen | Developmental Toxicity | Male Reproductive Toxicity | Female Reproductive Toxicity: |
|----------------------|------------|------------|------------------------|----------------------------|-------------------------------|
| Ferric Pyrophosphate | 10058-44-3 | Not Listed | Not Listed             | Not Listed                 | Not Listed                    |

#### CERCLA/SARA

| Components           | CAS-No.    | CERCLA - Hazardous Substances and their Reportable Quantities | Section 302 Extremely Hazardous Substances and TPQs | Section 302 Extremely Hazardous Substances and RQs | Section 313 - Chemical Category | Section 313 - Reporting de minimis |
|----------------------|------------|---------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|---------------------------------|------------------------------------|
| Ferric Pyrophosphate | 10058-44-3 | None                                                          | None                                                | None                                               | None                            | None                               |

#### U.S. TSCA

| Components           | CAS-No.    | TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) | TSCA 8(d) -Health and Safety Reporting |
|----------------------|------------|-----------------------------------------------------------------------|----------------------------------------|
| Ferric Pyrophosphate | 10058-44-3 | Not Applicable                                                        | Not Applicable                         |

#### Canada

##### WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information: Not a dangerous product according to HPR classification criteria.

**Canada Hazardous Products Regulation** This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

##### WHMIS 1988 Hazard Class

Non-controlled

##### Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

#### Inventory

| Components           | CAS-No.    | Canada (DSL) | Canada (NDSL) |
|----------------------|------------|--------------|---------------|
| Ferric Pyrophosphate | 10058-44-3 | Present      | Not Listed    |

| Components           | CAS-No.    | CEPA Schedule I - Toxic Substances                          |
|----------------------|------------|-------------------------------------------------------------|
| Ferric Pyrophosphate | 10058-44-3 | Not listed                                                  |
| Components           | CAS-No.    | CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting |
| Ferric Pyrophosphate | 10058-44-3 | Not listed                                                  |

#### EU Classification

##### EU GHS - SV - CLP 1272/2008

| Components           | CAS-No.    | EU GHS - SV - CLP (1272/2008) |
|----------------------|------------|-------------------------------|
| Ferric Pyrophosphate | 10058-44-3 |                               |

##### EU - CLP (1272/2008)

Product code: F1036

Product name: FERRIC  
PYROPHOSPHATE, POWDER, FCC

9 / 10

**R-phrase(s)**

not determined (not applicable)

**S -phrase(s)**

none

| Components           | CAS-No.    | Classification | Concentration Limits: | Safety Phrases |
|----------------------|------------|----------------|-----------------------|----------------|
| Ferric Pyrophosphate | 10058-44-3 |                | No information        |                |

**The product is classified in accordance with Annex VI to Directive 67/548/EEC****Indication of danger:**

None.

**16. OTHER INFORMATION**

**Preparation Date:** 02/25/2015  
**Revision Date:** 07/27/2018  
**Prepared by:** Sonia Owen

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**