



# SAFETY DATA SHEET

**MATERION**

## 1. Identification

**Product identifier** Iron Phosphide (FeP)

**Other means of identification**  
**SDS number** I-MSDS0059

**Manufacturer/Importer/Supplier/Distributor information**  
**Manufacturer**

**Company name** Materion Advanced Chemicals Inc.  
**Address** 407 N 13th Street  
1316 W. St. Paul Avenue  
Milwaukee, WI 53233  
United States

**Telephone** 414.212.0257  
**E-mail** advancedmaterials@materion.com  
**Contact person** Noreen Atkinson  
**Emergency phone number** Chemtrec 800.424.9300

## 2. Hazard(s) identification

**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**Environmental hazards** Not classified.  
**OSHA defined hazards** Not classified.

### Label elements

**Hazard symbol** None.  
**Signal word** None.  
**Hazard statement** Not available.  
**Precautionary statement**

**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.

**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental information** None.

## 3. Composition/information on ingredients

### Substances

Chemical name	Common name and synonyms	CAS number	%
Iron Phosphide		26508-33-8	100

## 4. First-aid measures

**Inhalation** Not available.  
**Skin contact** Not available.  
**Eye contact** Not available.  
**Ingestion** Not available.

Most important symptoms/effects, acute and delayed Not available.

## 5. Fire-fighting measures

Suitable extinguishing media Not available.  
Unsuitable extinguishing media Not available.  
Specific hazards arising from the chemical Not applicable.  
Special protective equipment and precautions for firefighters Not available.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Not available.  
Methods and materials for containment and cleaning up Not available.

## 7. Handling and storage

Precautions for safe handling Not available.  
Conditions for safe storage, including any incompatibilities Not available.

## 8. Exposure controls/personal protection

Occupational exposure limits No exposure limits noted for ingredient(s).  
Biological limit values No biological exposure limits noted for the ingredient(s).  
Individual protection measures, such as personal protective equipment  
    Eye/face protection Not available.  
    Skin protection  
        Hand protection Not available.  
        Other Not available.  
    Respiratory protection Not available.  
    Thermal hazards Not available.

## 9. Physical and chemical properties

### Appearance

    Physical state Solid.  
    Form Not available.  
    Color Not available.  
Odor Not applicable.  
Odor threshold Not available.  
pH Not available.  
Melting point/freezing point Not available.  
Initial boiling point and boiling range Not applicable.  
Flash point Not available.  
Evaporation rate Not available.  
Flammability (solid, gas) Not applicable.

**Upper/lower flammability or explosive limits**

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.

Vapor pressure < 0.0000001 kPa at 25 °C

Vapor density Not available.

Relative density Not available.

**Solubility(ies)**

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not applicable.

Decomposition temperature Not available.

Viscosity Not available.

**Other information**

Molecular formula FeP

**10. Stability and reactivity**

Reactivity Not available.

Chemical stability Not available.

Possibility of hazardous reactions Not available.

Conditions to avoid Not available.

Incompatible materials Not available.

Hazardous decomposition products Not available.

**11. Toxicological information****Information on likely routes of exposure**

Inhalation Not available.

Skin contact Not available.

Eye contact Not available.

Ingestion Not available.

Symptoms related to the physical, chemical and toxicological characteristics Not available.

**Information on toxicological effects**

Acute toxicity Not available.

Skin corrosion/irritation Not available.

Serious eye damage/eye irritation Not available.

**Respiratory or skin sensitization**

Respiratory sensitization Not available.

Skin sensitization Not available.

Germ cell mutagenicity Not available.

**Carcinogenicity**

## US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity	Not available.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	Not available.

## 12. Ecological information

Ecotoxicity	No ecotoxicity data noted for the ingredient(s).
Persistence and degradability	Not available.
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Other adverse effects	Not available.

## 13. Disposal considerations

Disposal instructions	Not available.
Hazardous waste code	Not regulated.
Waste from residues / unused products	Not available.
Contaminated packaging	Not available.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. Regulatory information

### US federal regulations

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No
	Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	No
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#### SARA 313 (TRI reporting)

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations**

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Not regulated.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

Not Listed.

**16. Other information, including date of preparation or last revision**

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**Version #** 01

**Disclaimer** Not available.