

## TALC

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 02/06/2015

Supersedes: 09/11/2012

Version: 2.0

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Product form : Mixture  
Product name : TALC  
Product code : C-MS-AT-2042STDALC  
Other means of identification : A-0005 FILLER, ABT® 1000, ABT® 2500, ABT® 2501, CERCRON® MB 2540, CERCRON® MB 2900, CERCRON® MB 3900, CERCRON® MB 50-60, CERCRON® MB 93-37, CERCRON® MB 96-67, CERCRON® MB 96-68, CERCRON® MB 99-01, CERCRON® MP 97-30, CERCRON® MP 98-25, CERCRON® MP 99-48, MICROTALC® BP-210, MICROTALC® DM 12-50, MICROTALC® MP 10-52, MICROTALC® MP 11-51, MICROTALC® MP 12-50, LOW MICRON 399, MICROTALC® MPD 12-50, MICROTALC® MP 12-52, MICROTALC® MP 15-38, MICROTALC® MP 20-40, MICROTALC® MP 25-38, MICROTALC® MP 30-36, MICROTALC® MP 50-26, MICROTALC® MP 70-22, MICROTALC® MP 98-28BC, MICROTALC® MP 45-26 BC, MICROTALC® MPD 2500, MICROTALC® MPD 2501, MICROTALC® MPD1250UC, MICROTALC® MP210, MICROTUFF® 111, MICROTUFF® 191, PC 2000, TALCRON® MP 10-52, TALCRON® MP 12-50, TALCRON® MP 15-38, TALCRON® MP 25-38, TALCRON® MP 30-36, TALCRON® MP 40-27, TALCRON® MP 44-26, TALCRON® MP 45-26, ULTRATALC® 609, ULTRATALC® 609D, 9910 Talc, TALCRON 25 LOA, TALCRON 35 LOA, TALCRON 40 LOA, TALCRON 45 LOA, TALCRON 30 LOA, FLEXTALC 405D, FORTITALC™ 609LC TALC, FORTITALC® 609HC TALC, FORTITALC® MP1250LC TALC, FORTITALC® MP1250HC TALC, FORTITALC® MP1250UC TALC, FORTITALC® MP1538LC TALC, FORTITALC® MP1538HC TALC, TALCRON MP2040, PC 2000, ICMP 4426

##### 1.2 Relevant identified uses of the substance/mixture and uses advised against

Use of the substance/mixture : Mineral Additive

##### 1.3 Details of the supplier of the substance/mixture

**Infa-Lab Inc.**  
11 Wall Street  
Rockaway, NJ 07866  
973-625-2265

##### 1.4 Emergency telephone number

Emergency number : +1 760 476 3962  
3E Global Emergency Response Services. Access code: 333336 (if you mention SDS name and company name-you don't need the access code)

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance/mixture

Classification (GHS-US)

Carc. 1A H350

##### 2.2 Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H350 - May cause cancer (Inhalation)

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P260 - Do not breathe dust  
P280 - Wear protective gloves, protective clothing, eye protection, face protection  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P405 - Store locked up

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### 2.3 Other hazards

Other hazards not contributing to the classification : Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.

### 2.4 Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

Not applicable

### 3.2 Mixture

Name	Product identifier	%	Classification (GHS-US)
Talc	(CAS No) 14807-96-6	60-100	Not classified
Chlorite-group minerals	(CAS No) 1318-59-8	1-15	Not classified
Quartz (fine fraction)	(CAS No) 14808-60-7	0.1-1.0	Carc. 1A, H350 STOT SE 3, H336 STOT SE 1, H370

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

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

Symptoms/injuries after inhalation : May cause irritation to the respiratory tract.

Symptoms/injuries after skin contact : Repeated and/or prolonged skin contact may cause irritation.

Symptoms/injuries after eye contact : May cause eye irritation.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None known.

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

Fire hazard : None known.

Reactivity : Stable under normal conditions.

### 5.3 Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

#### 6.1.1 For non-emergency personnel

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Evacuate unnecessary personnel. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust.

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### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Where excessive dust may result, wear approved mask.
- Emergency procedures : Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust. Wear independent breathing equipment.

### 6.2. Environmental precautions

Notify authorities if large amounts of the product enters sewers or public waters.

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

- Methods for cleaning up : Collect using vacuum cleaner fitted with HEPA filter. Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust. Do not dry sweep dust. Store away from other materials.

### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe dust.

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

- Storage conditions : Keep container closed when not in use.

### 7.3. Specific end uses

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Talc (14807-96-6)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> Respirable Fraction
USA OSHA	Remark (OSHA)	(3) See Table Z-3.

Quartz (fine fraction) (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> Respirable Fraction
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
USA OSHA	Remark (OSHA)	(3) See Table Z-3.

### 8.2. Exposure controls

- Appropriate engineering controls : Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded. Provide appropriate exhaust ventilation at places where dust is formed.
- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Wear chemically resistant protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Use chemically protective clothing.
- Respiratory protection : Dust mask or respirator.
- Thermal hazard protection : Not required for normal conditions of use.
- Environmental exposure controls : Avoid release to the environment.
- Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : White. Powder.
- Color : Colorless
- Odor : None

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Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 2.8
Solubility	: Insoluble. Water:
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Not oxidizing.
Explosive limits	: No data available

### 9.2 Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None known.

### 10.4 Conditions to avoid

Dust formation.

### 10.5 Incompatible materials

None.

### 10.6 Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer (Inhalation).

### Talc (14807-96-6)

IARC group	3 - Not classifiable
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Quartz (fine fraction) (14809-60-7)	
IARC group	1 - Carcinogenic to humans
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: Repeated and/or prolonged skin contact may cause irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.

### SECTION 12: Ecological information

12.1 Toxicity	
Ecology - general	: Not classified.

Talc (14807-96-8)	
LC50 fish	> 100 g/l Brachydanio rerio

12.2 Persistence and degradability	
TALC	
Persistence and degradability	Not relevant for inorganic substances.

12.3 Bioaccumulative potential	
TALC	
Bioaccumulative potential	Not relevant for inorganic substances.

12.4 Mobility in soil	
TALC	
Ecology - soil	No information available.

12.5 Other adverse effects	
Effect on ozone layer	: No additional information available
Effect on the global warming	: No known ecological damage caused by this product.

### SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14: Transport information

in accordance with DOT  
Not regulated for transport  
Other information : No supplementary information available.

Transport by sea  
No additional information available

Air transport  
No additional information available

### SECTION 15: Regulatory information

15.1 US Federal regulations	
This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.	

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### 15.2. International regulations

#### CANADA

TALC	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

### 15.2.2. National regulations

TALC
<p>All naturally occurring components of this product are automatically included in the USEPA TSCA inventory list per 4- CFR 710.4 (b). All other components are on the USEPA TSCA inventory list</p> <p>Generally acceptable for use in vanilla powder and vanilla-vanillin powder under food standards 21 CFR 169.179 and 169.182</p> <p>Generally approved for use as a colorant only as components of paper and paperboard in contact with aqueous fatty foods (21 CFR 176.170)</p> <p>Generally Recognized As Safe as an anti-caking agent in table salt up to 2% (21 CFR 182.2437)</p> <p>Generally approved for use as a pigment or colorant in the manufacture of articles which come into contact with food, under the following citations: 21 CFR 174.5 (d), 175.105, 175.125, 175.300 (b)(3)(xxvi), 175.320, 175.380, 175.390, 176.170 (b) (2), 176.180 (b) (1), 176.200, 177.1210, 177.1350, 177.1460, 177.2600 (c)(1), 182.70, 182.90</p> <p>Generally approved for use in olefin polymers used in the manufacture of articles which come in contact with foods under 21 CFR 177.1520</p>

### 15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

Quartz (fine fraction) (14808-60-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes				

Talc (14807-96-6)				
U.S. - New Jersey - Right to Know Hazardous Substance List				
U.S. - Pennsylvania - RTK (Right to Know) List				
U.S. - Massachusetts - Right To Know List				

Quartz (fine fraction) (14808-60-7)				
U.S. - New Jersey - Right to Know Hazardous Substance List				
U.S. - Massachusetts - Right To Know List				
U.S. - Pennsylvania - RTK (Right to Know) List				

### SECTION 16: Other information

Data sources : US OSHA HazCom (GHS) 25 May 2012.

Full text of H-phrases: see section 16:

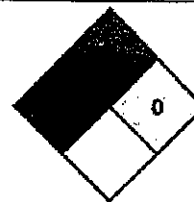
Carc. 1A	Carcinogenicity Category 1A
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H335	May cause respiratory irritation
H350	May cause cancer
H370	Causes damage to organs

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NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.  
NFPA fire hazard : 0 - Materials that will not burn.  
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible,\* Chronic Hazard - Chronic (long-term) health effects may result from repeated overexposure  
Flammability : 0 Minimal Hazard  
Physical : 0 Minimal Hazard  
Personal Protection : E

NCEC SDS US (GHS HazCom 2012) V14\_1

**Infa-Lab Inc.**  
11 Wall Street  
Rockaway, N.J 07866  
973-625-2265



## SAFETY DATA SHEET

Preparation Date: 04/09/2015

Revision Date: 04/09/2015

Revision Number: G1

Product identifier

Product code: F1042  
Product Name: FERRIC SUBSULFATE, POWDER, PURIFIED

Other means of identification

Synonyms: RIBOT Basic Ferric Sulfate  
ER CH Ferric Subsulfate, Decahydrate  
3) 465- Ferric Subsulfate 10-Hydrate  
Monse's salt

CAS #: 1310-45-8  
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

Emergency telephone number Chemtrec 1-800-424-9300

### 2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by 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

Product code: F1042

Product name: FERRIC SUBSULFATE,  
POWDER, PURIFIED

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Other hazards  
Not available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %	Trade Secret
Ferric Sub sulfate 1310-45-8	1310-45-8	100	*

### 4. FIRST AID MEASURES

#### First aid measures

##### **General Advice:**

Poison information centers in each State capital city can provide additional assistance for scheduled poisons (13 1126).

##### **Skin Contact:**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops.

##### **Eye Contact:**

Flush eye with water for 15 minutes. Get medical attention if irritation occurs.

##### **Inhalation:**

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

##### **Ingestion:**

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

##### **Symptoms**

May cause eye/skin irritation. gastroenteritis. May cause abdominal pain, nausea, vomiting, diarrhea. black-colored stool. pink-colored urine. May affect the cardiovascular system. Central nervous system effects. Drowsiness. Convulsions. lethargy. May affect the liver. It may affect the kidneys. May cause metabolic acidosis.

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

##### **Notes to Physician:**

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

##### **Suitable Extinguishing Media:**

The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

##### **Unsuitable Extinguishing Media:**

No information available.

#### Specific hazards arising from the chemical

##### **Hazardous Combustion Products:**

No information available.

##### **Specific hazards:**

No information available.

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## Special Protective Actions for Firefighters

### **Specific Methods:**

Extinguish fire using an agent suitable for type of surrounding fire, the substance itself does not burn.

### **Special Protective Equipment for Firefighters:**

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.

**Environmental precautions** Do not let product enter drains. Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers.

### 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** Use appropriate tools to put the spilled solid in a suitable waste disposal container. 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. Avoid dust formation. All equipment used when handling the product must be grounded.

#### **Safe Handling Advice:**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapours/dust. Do not ingest. Do not smoke. Handle in accordance with good industrial hygiene and safety practice. Protect from light.

### Conditions for safe storage, including any incompatibilities

#### **Technical Measures/Storage Conditions:**

Sensitive to light. Store in light-resistant containers. Protect from light. 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	OSHA	NIOSH	ACGIH	AIHA WHEEL
Ferric Sub sulfate - 1310-45-8	None	None	None	None

#### **Canada**

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Product name: FERRIC SUBSULFATE,  
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Components	Alberta	British Columbia	Ontario	Quebec
Ferric Subsulfate - 1310-45-8	None	None	None	None

#### Australia and Mexico

Components	Australia	Mexico
Ferric Subsulfate 1310-45-8	None	None

#### Appropriate engineering controls

**Engineering measures to reduce exposure:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

#### Individual protection measures, such as personal protective equipment

##### Personal Protective Equipment

- Eye protection:** Goggles. Safety glasses with side-shields.
- Skin and body protection:** Long sleeved clothing. Gloves.
- Respiratory protection:** Effective dust mask. 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.
- Hygiene measures:** Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

#### PHYSICAL AND CHEMICAL PROPERTIES

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Solid.	<b>Appearance:</b> Powder.	<b>Color:</b> Yellow Brown.
<b>Odor:</b> Practically odorless.	<b>Taste:</b> No information available	<b>Molecular/Formula weight:</b> No information available
<b>Formula:</b> FE4-(OH)2-(SO4)5	<b>Flash point (°C):</b> No data available	<b>Flashpoint (°C/°F):</b> No information available.
<b>Flash Point Tested according to:</b> Not available	<b>Lower Explosion Limit (%):</b> No information available	<b>Upper Explosion Limit (%):</b> No information available
<b>Autoignition Temperature (°C/°F):</b> No information available	<b>pH:</b> No information available	<b>Melting point/range(°C/°F):</b> No information available
<b>Boiling point/range(°C/°F):</b> No information available	<b>Decomposition temperature(°C/°F):</b> No information available	<b>Bulk density:</b> No information available
<b>Specific gravity:</b> No information available	<b>Vapor pressure @ 20°C (kPa):</b> No information available	<b>Density (g/cm3):</b> No information available
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> No information available	<b>VOC content (g/L):</b> No information available
<b>Odor threshold (ppm):</b> No information available	<b>Partition coefficient (n-octanol/water):</b> No information available	<b>Viscosity:</b> No information available
<b>Miscibility:</b> No information available	<b>Solubility:</b> Soluble in hot water Soluble in cold water	

## 10. STABILITY AND REACTIVITY

### Reactivity

No information available

### Chemical stability

#### **Stability:**

Sensitive to light. Exposure to light accelerates decomposition. Stable under recommended storage conditions.

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

**Conditions to avoid:** Exposure to light.

**Incompatible Materials:** No information available.

**Hazardous decomposition products:** Sulfur oxides.

### Other Information

**Corrosivity:** No information available

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

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product code:** F1042

**Product name:** FERRIC SUBSULFATE,  
POWDER, PURIFIED

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**Principal Routes of Exposure:**  
Inhalation. Ingestion.

**Acute Toxicity**

**Component Information**

*Ferric Subsulfate - 1310-45-8*

- 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

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  
Ingestion** May cause irritation of the respiratory tract and mucous membranes irritation. May be harmful if swallowed. There is a low toxicity in small quantities, but large doses may lead to iron poisoning and cause gastrointestinal tract irritation (gastroenteritis) with nausea, retching & vomiting, abdominal pain, hypermotility, diarrhea, colic or constipation, and black stool. Liver damage and kidney failure have also been reported from iron poisoning. Pink urine discoloration is a strong indicator of iron poisoning. Iron poisoning may also affect behavior/Central Nervous System (seizures/convulsions, lethargy, drowsiness, hyporeflexia, coma), respiratory system (cyanosis, pulmonary), cardiovascular system (weak pulse, tachycardia, hypotension), metabolism (metabolic acidosis), and blood (leukocytosis). It may also cause coagulation defects, and hypoglycemia.

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Aspiration hazard No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Chronic Toxicity Prolonged or repeated ingestion may lead to too much Iron build-up in the body, particularly in the liver. Prolonged eye contact may cause a brownish discoloration of the eyes.

Sensitization: No information available

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic

Components	ACGIH - Carcinogens	IARC	NTP	OSHA HCS - Carcinogens	Australia - Prohibited Carcinogenic Substances	Australia - Notifiable Carcinogenic Substances
Ferric Sulfate	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

**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  
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	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Ferric Subsulfate	None	None	None	None

**TRANSPORT INFORMATION****DOT**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** Not applicable  
**Packing Group:** None  
**ERG No:** No information available  
**Marine Pollutant:** No data available  
**DOT RQ (lbs):** 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  
**Description:** No information available

**ADR**

**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  
**Classification Code:** No information available  
**Description:** No information available  
**CEFIC Tremcard No:** 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  
**Description:** No information available  
**IMDG Page:** No information available  
**Marine Pollutant:** No information available  
**MFAG:** No information available  
**Maximum Quantity:** 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  
**Classification Code:** No information available

Product code: F1042

**Product name:** FERRIC SUBSULFATE,  
POWDER, PURIFIED

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**14. TRANSPORT INFORMATION**

**Description:** 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  
**Description:** 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  
**Description:** No information available

**15. REGULATORY INFORMATION**

**International Inventories**

Components	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
<i>Ferric Subsulfate</i>	Present	Present KE-21089	Not present	Present (1)-359	Not present	Present	Present 215-179-2

**U.S. Regulations**

**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)

Components	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
<i>Ferric Subsulfate</i>	Not Listed	Not Listed	Not Listed	Not Listed

**CERCLA/SARA**

Components	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 <i>de minimis</i>
<i>Ferric Subsulfate</i>	None	None	None	None	None

**U.S. TSCA**

Components	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) - Health and Safety Reporting
<i>Ferric Subsulfate</i>	Not Applicable	Not Applicable

**Canada**

**Product code:** F1042

**Product name:** FERRIC SUBSULFATE, POWDER, PURIFIED



**WHMIS 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	Canada (DSL)	Canada (NDSL)
Ferric Subsulfate	Present	Not Listed

Components	CEPA Schedule 1 - Toxic Substances	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Ferric Subsulfate	Not listed	Not listed

**EU Classification****S -phrase(s)**

none

Components	Classification	Concentration Limits:	Safety Phrases
Ferric Subsulfate		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

**Indication of danger:**

None.

**16. OTHER INFORMATION**

**16. OTHER INFORMATION**

**Preparation Date:** 04/09/2015  
**Revision Date:** 04/09/2015  
**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.

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,

**End of Safety Data Sheet**