

SAFETY DATA SHEET
IRON CITRATE COMPLEX 17%
PRODUCT # IRON-CIT-8513

1. IDENTIFICATION

GHS product identifier: Iron Citrate Complex (Fe 17%), Ksh
Product code: FFE0CIP221OK
Product type: Powder

Identified uses:

Ingredient for use in dietary supplements, food supplements, and other nutrition products.

Distributor Name: Bella Corp Trading Pty Ltd
Address: 6/34 Dominions Road Ashmore QLD 4214, Australia
Telephone: 07 5597 4169
Email: bellacorp@bellacorp.com.au

Emergency telephone number:

CHEMTREC
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887 (collect calls accepted) (24/7)
NSW Poisons Information Centre 131 126 (24 hours)

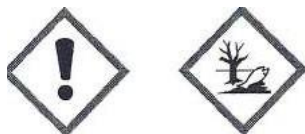
2. HAZARDS IDENTIFICATION

This section of the SDS applies when the product is used or handled above recommended amounts.

OSHA/HCS status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture ACUTE TOXICITY (oral) - Category 4
SKIN CORROSION/IRRITATION - Category 2 SERIOUS
EYE DAMAGE/ EYE IRRITATION - Category 2
AQUATIC HAZARD (ACUTE) - Category 1
AQUATIC HAZARD (LONG-TERM)- Category 1

GHS label elements
Hazard pictograms



Signal word

Warning

Importers and Distributors of Compounding Products

Hazard statements Harmful if swallowed.
Causes serious eye irritation.
Causes skin irritation.
Very toxic to aquatic life with long lasting effects.

Precautionary statements

General Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention Wear protective gloves. Wear eye or face protection. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Response Collect spillage. IF SWALLOWED: Call a POISON CENTRE or physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage Not applicable.

Disposal Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified None known.

3. COMPOSITION & INFORMATION ON INGREDIENTS

Substance/mixture Mixture

Other means of identification Not available

CAS number/other identifiers

Product code FFE0CIP221OK

Ingredient name	%	CAS number	Pure Substance Classification
Ferrous sulfate	43.2%-64.8%	13463-43-9	ACUTE TOXICITY (oral): Category 4 SKIN CORROSION/IRRITATION: Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION: Category 2 AQUATIC HAZARD (ACUTE): Category 1 AQUATIC HAZARD (LONG-TERM): Category 1
Sodium citrate	36.8%- 55.2%	6132-04-3	Not classified.

The exact percentage of the chemical has been withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

This section of the SDS applies when the product is used or handled above recommended amounts.

Description of necessary first aid measures

Eye contact	In case of contact, immediately flush eyes with water for at least 15 minutes, preferably using an eyewash station. Remove any contact lens as soon as practical to do so. Get immediate medical attention if irritation occurs.
Inhalation	Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Skin contact	Wash with soap and water for at least 15 minutes. Get immediate medical attention if irritation develops.
Ingestion	Do NOT induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	Causes serious eye irritation.
Inhalation	No known significant effects or critical hazards.
Skin contact	Causes skin irritation.
Ingestion	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	Adverse symptoms may include the following: pain or irritation, watering, redness
Inhalation	No known significant effects or critical hazards.
Skin contact	Adverse symptoms may include the following: irritation, redness
Ingestion	No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
Specific treatments	No specific treatment.
Protection of first-aiders	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.

See toxicological information (Section 11).

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical This material is very toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products Decomposition products may include the following materials:

- carbon dioxide
- carbon monoxide
- sulfur oxides
- metal oxide/oxides

Special protective actions for fire-fighters No special measures are required.

Special protective equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

This section of the SDS applies when the product is used or handled above recommended amounts.

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions Not applicable.

Methods and materials for containment and cleaning up

Spill Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a H13 filter and place in a closed, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING & STORAGE

This section of the SDS applies when the product is used or handled above recommended amounts.

Precautions for safe handling

Protective measures	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	Normal good industrial hygiene.
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Keep container tightly closed and sealed until ready for use.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Proper personal protective equipment should be selected and worn when handling this product, as based on a risk assessment performed by a qualified person.

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
	ACGIH TLV (United States, 3/2012). rNA 1 mg/m', (as Fe) 8 hours. NIOSH REL (United States, 1/2013). rNA:1mg/m', (as Fe) 10 hours. OSHA PEL 1989 (United States, 3/1989). rNA: 1mg/m', (as Fe) 8 hours. Form: Soluble

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Environmental exposure controls In some cases, dust collection, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection Safety glasses with side-shields conforming to EN166 / ANSI 287 additional eye/face protection may be appropriate.

Skin protection

Hand protection Handle with gloves. Gloves must be inspected prior to use to ensure there are no holes or tears. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of gloves after use in accordance with applicable laws and good industry practices. Wash and dry hands.

Body protection Wear appropriate clothing such as long sleeves and/or protective coveralls. The type of protective clothing must be selected according to

the type, concentration and amount of the substance(s) at the specific workplace.

Other skin protection Not required under normal conditions of use.

Respiratory protection For nuisance exposures use type P95 {US} or type P1 {EU EN 143} particle respirator. For higher level protection use type P100 {US} or type P3 {EU EN 143} respirator cartridges. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance

Physical state	Solid (Powder)
Colour	Light green to light brown
Odour	Characteristic
Odour threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	Not available
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available
Lower and upper explosive (flammable) limits	Not available
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not applicable

10. STABILITY & REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No specific data.
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.

Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Ferrous sulfate	LD50 Oral	Rat	319 mg/kg	-

Irritation/Corrosion There is no data available.
Sensitization There is no data available.
Carcinogenicity There is no data available.
Specific target organ toxicity (single exposure) There is no data available.
Specific target organ toxicity (repeated exposure) There is no data available.
Aspiration hazard There is no data available.

Information on the likely routes of exposure Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eye contact Causes serious eye irritation.
Inhalation No known significant effects or critical hazards.
Skin contact Causes skin irritation.
Ingestion No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact Adverse symptoms may include the following: pain or irritation, watering, redness
Inhalation No known significant effects or critical hazards.
Skin contact Adverse symptoms may include the following: irritation, redness
Ingestion No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects No known significant effects or critical hazards.
Potential delayed effects No known significant effects or critical hazards.

Long term exposure

Potential immediate effects No known significant effects or critical hazards.
Potential delayed effects No known significant effects or critical hazards.

Potential chronic health effects

General No known significant effects or critical hazards.
Carcinogenicity No known significant effects or critical hazards.
Mutagenicity No known significant effects or critical hazards.
Teratogenicity No known significant effects or critical hazards.
Developmental effects No known significant effects or critical hazards.
Fertility effects No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	IATE value
Oral	738.4 mg/kg

12. ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
Ferrous sulfate	Acute EC50 143000 µg/L Fresh water	Crustaceans - Crangonyx pseudogracilis - Adult	48 hours
	Acute EC50 7200 µg/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 410 µg/L Fresh water	Fish - Salvelinus fontinalis	96 hours
	Chronic NOEC 10.045 ppm Fresh water	Fish - Oreochromis mossambicus	90 days

Persistence and degradability

There is no data available.

Bio-accumulative potential

Product ingredient name	LogPow	BCF	Potential
Ferrous sulfate	-	20	low

Mobility in soil

Soil/water partition coefficient (Koc) Not available.

Other adverse effects

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Disposal methods The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14. TRANSPORT INFORMATION

	DOT Classification	IMOG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No	No	No
Additional information	-	-	-

AERG

Not applicable

Special precautions for user Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available

15. REGULATORY INFORMATION

U.S. Federal regulations **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 311: Iron (II) sulfate

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) Not listed

Clean Air Act Section 602 Class I Substances Not listed

Clean Air Act Section 602 Class II Substances Not listed

DEA List I Chemicals (Precursor Chemicals) Not listed

DEA List II Chemicals (Essential Chemicals) Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA304RQ Not applicable

SARA 311/312

Classification Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Ferrous sulfate	43.2% - 64.8%	No	No	No	Yes	No

SARA 313

No products were found.

State regulations

Massachusetts The following components are listed: Iron (II) sulfate

New York The following components are listed: Iron (II) sulfate

New Jersey The following components are listed: Iron (II) sulfate

Pennsylvania The following components are listed: Iron (II) sulfate

California Prop. 65

Bulk product not labelled for Proposition 65 compliance.

International regulations

International lists

Australia inventory (AICS): Not determined.
China inventory (IECSC): Not determined.
Japan inventory: All components are listed or exempted.
Korea inventory: Not determined.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan inventory (CSNN): Not determined.

Chemical Weapons

Not listed

Convention List Schedule I

Chemicals

Chemical Weapons

Not listed

Convention List Schedule II

Chemicals

Chemical Weapons

Not listed

Convention List Schedule

III Chemicals

16. OTHER INFORMATION

History

Date of issue mm/dd/yyyy	05/18/2021
Version	1
Revised Section(s)	Not applicable.
Key to abbreviations	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.