CYCO Dr Repair
SAFETY DATA SHEET

SDS DATE 29/03/2017

SECTION 01 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	DR REPAIR
Product type:	Flower Enhancer
Synonyms:	N/A
Product codes:	012
Product Number:	0009
Manufacturer:	SJ Enterprises Pty Ltd
Division:	Australia
Address:	7 O'Conner Court, Gepps Cross, South Australia, 5094 Australia
Emergency phone:	+61 8 8359 8732
Chemtrec phone:	800-424-9300
Other calls:	+61 0430 217 040
Fax phone:	+61 8 83598732
Chemical name:	N/A
Chemical family:	N/A
Chemical formula:	N/A
Product use:	Hydroponic Nutrient
Prepared by:	SJ ENTERPRISES PTY LTD Material Safety Data Sheet

SECTION 02 - HAZARDS IDENTIFICATION

Emergency overview: Causes moderate eye irritation, slight skin irritation and digestive tract irritation. Spray mist causes irritation to respiratory tract. High pH of product is harmful to aquatic life. Non-combustible. Spills are slippery. Reacts with acids, ammonium salts, reactive metals and some organics.

Routes of entry:

Eyes: Causes moderate irritation to the eyes.

Skin: Causes slight irritation to the skin.

Ingestion: May cause irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. May also cause headache, confusion and electrolyte depletion

Inhalation: May cause mild irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

Acute Health Hazards: No known chronic hazards.

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Chronic health hazards: No known chronic hazards.

Medical conditions generally aggravated by exposure: No Data found.

Carcinogenicity

Osha: N/A ACGIH: N/A NTP: N/A IARC: N/A

Other: N/A

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: Urea CH_4N_2O

Iron EDTA

CAS NO.	% WT	% VOL	SARA 313 REPORTABLE
Urea 57-13-6	0.5%(w/v)		
Iron EDTA 15708-41-5	0.5%(w/v)		

	ppm	mg/m3
SHA PEL-TWA: N/A		
OSHA PEL STEL : N/A	0.5×10^6	1.23×10^6
OSHA PEL CEILING: N/A	0.5×10^6	7.5×10^6
ACGIH TLV-TWA: N/A		
ACGIH TLV STEL: N/A		
ACGIH TLV CEILING: N/A		

SECTION 04 - FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.
SKIN: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.
INGESTION: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.
NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Refer to MSDS

SECTION 05 - FIRE FIGHTING MEASURES

Flammable limits in air, Upper: N/A
(% By volume) Lower: N/A
Flash point: N/A - F: C:
Method used: N/A
Autoignition temperature: N/A - F: C:

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NFPA Hazard Classification
Health: N/A Flammability: N/A Reactivity: N/A
Other: N/A
HMIS HAZARD CLASSIFICATION
Health: N/A Flammability: N/A Reactivity: N/A
Protection: N/A
Extinguishing media: Use any means suitable for extinguishing surrounding fire.

Special fire fighting procedures: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
Unusual fire and explosion hazards: N/A
Hazardous decomposition products: No data found.

SECTION 06 - ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

SECTION 07 - HANDLING AND STORAGE

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: N/A
Ventilation : A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.
Respiratory protection: For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
Eye protection: Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area.

Skin protection: Wear protective gloves and clean body-covering clothing.
Other protective clothing or equipment: N/A
Work hygienic practices: Please refer to State And Federal regulations
Exposure guidelines: No exposure guidelines have been set for this product.

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SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark brown colour
Odour: Sweet smell
Physical state: liquid
ph as supplied: 5.0 ph
ph (other):
Boiling point: f: 212 c: 100
Melting point: f: n/a c: n/a
Freezing point: f: 32 c: 0
Vapor pressure (mmHg):
@
F: N/A
C:
Vapor density (air = 1): n/a
@ f: c:
Specific gravity (h2o = 1): CH_4NO_2: 0.05 Iron EDTA: 0.05
@ f: 77 c:25
Evaporation rate: basis (=1):
Solubility in water:
Percent solids by weight:
Percent volatile:
by wt/ by vol @ f: c:
Volatile organic compounds (voc):
With water: lbs/gal
Without water: lbs/gal
Molecular weight: CH_4NO_2: 60.032 Iron EDTA: 366.941
Viscosity:
@ f: c:

SECTION 10 - STABILITY AND REACTIVITY

Stability: stable under ordinary conditions of use and storage
Conditions to avoid (stability): Incompatibles
Incompatibility (material to avoid): Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride. It is incompatible with sodium nitrite, gallium perchlorate, strong oxidizing agents (permanganate, dichromate, nitrate, chlorine), phosphorus pentachloride, nitrosyl perchlorate, titanium tetrachloride and chromyl chloride.
Hazardous decomposition or by-products: Urea decomposes upon heating and can form products including ammonia, oxides of nitrogen, cyanuric acid, cyanic acid, biuret, carbon dioxide.
Hazardous polymerization: no hazardous polymerization data found.

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Conditions to avoid (polymerization): n/a

SECTION 11 - TOXICOLOGICAL INFORMATION

Urea: Oral rat LD50: 8471 mg/kg. Investigated as a tumorigen, mutagen, reproductive effector.

Iron EDTA: Acute oral toxicity (LD50): 5000 mg/kg [Mouse].

SECTION 12 - ECOLOGICAL INFORMATION

Ecological information: No Data Found

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may
arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation: Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

RCRA hazard class: N/A

Section 13 Notes: Do not use this container for any other purpose. Triple rinse containers, then offer the container for recycling, reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with your local government regulations.

SECTION 14 - TRANSPORT INFORMATION

U.S. department of transportation not regulated
Proper shipping name:
Hazard class:
ID number:
Packing group:
Label statement:

Water transportation not regulated

Proper shipping name:
Hazard class:
TD number:

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Packing group:
Label statements:

Air transportation not regulated
Proper shipping name:
Hazard class:
ID number:
Packing group:
Label statements:

SECTION 15 - REGULATORY INFORMATION

U.S. federal regulations
TSCA (toxic substance control act): no data found
CERCLA (comprehensive response compensation, and liability act): No CERCLA Reportable Quantity has been established for this material.
SARA TITLE III (superfund amendments and reauthorization act): no data found
311/312 hazard categories: no data found
313 reportable ingredients: no data found
State regulations: no data found
International regulations: no data found

SECTION 16 - OTHER INFORMATION

Product Purpose:	Plant Flower Enhancer
Directions:	See Product Label
Other information:	n/a
Preparation information:	n/a

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