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Dear Educator,

This file contains the Safety Data Sheets (SDS) for FOSS PLANTS AND ANIMALS, 3<sup>rd</sup> Edition as of July 24, 2017.

Because kit contents can sometimes be replaced, we recommend searching our online portal of SDS for current sheets as you need them. To make that searching easier, we have provided a listing below of the items with SDS in this kit.

Portal: <http://www.schoolspecialty.com/sds>

<b>Part Number to Search</b>	<b>Item Description</b>
077399	Marking pen, permanent
160-9200	Plant fertilizer, liquid

Note: The part numbers to search for in the portal are often not the same part numbers used to order replacements. To order replacements, please visit [www.deltaeducation.com/refillcenter](http://www.deltaeducation.com/refillcenter)

If you have any questions, please contact Customer Care at 800-258-1302 for assistance.



Office Products Group

**MATERIAL SAFETY DATA SHEET**

**MSDS # 3000**

**Section One: Identification**

Newell Rubbermaid, Inc. (Sanford L.P.)  
2707 Butterfield Road  
Oak Brook, IL 60523 USA  
800-323-0749 or 630-481-2000

EMERGENCY MEDICAL NUMBER:

888-786-0972

Product Name: Sharpie Fine Point Marker, Sharpie Ultra Fine Point Marker, Sharpie Extra Fine Marker, Sharpie Chisel Tip Marker, Sharpie Twin Tip Marker, Super Sharpie Marker, Super Sharpie Twin Tip Marker, Sharpie Mini Fine Point Marker, Sharpie Micro Marker, Sharpie Grip Marker, Sharpie Retractable Fine Point Marker, Sharpie Magnum Marker, Sharpie King Size Marker, Sharpie Liquid Tip Marker.

Colors: All Colors

NewellRubbermaid, Inc (Sanford L.P.) is a member of The Art and Creative Materials Institute, Inc. This product is certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236 and is labeled with the AP Non Toxic Seal. Products bearing the AP Approved Product Seal of The Art and Creative Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert, subject to review by the Institute Toxicology Advisory Board, to contain no materials in sufficient quantities to be toxic or injurious to humans, or to cause acute toxicity or chronic health problems.

**Section Two: Hazard Identification**

Not Hazardous under normal use conditions. Not for use on skin. Do not ingest. Contact with eyes may cause irritation.

**Section Three: Composition**

Dyes

Pigments

Solvent Mixture: Butanol (71-36-3), Propanol (71-23-8), Diacetone Alcohol (123-42-2), Ethanol (64-17-5)

**Section Four: First Aid Measures**

Inhalation: Remove source of irritation. If symptoms persist seek medical attention

Skin Contact: Wash with soap and water. If irritation persists seek medical attention.

Eye Contact: Rinse eyes with water, if irritation persists seek medical attention.

Ingestion: If symptoms occur seek medical attention.

**Section Five: Fire Fighting Measures**

Flash Point: N/A

Extinguishing Media: As appropriate for surrounding area.

Special Fire Fighting Measures: N/A

Hazardous combustion products: N/A

**Section Six: Accidental Release Measures**

In Case of Spill or Accidental Release: Wipe up with absorbent material.

**Section Seven: Handling and Storage**

Handling: Do not shake marker.

Storage: Keep cap on marker when not in use.

**Section Eight: Exposure Controls and Personal Protection**

Eye Protection: None under normal use conditions.

Clothing: None under normal use conditions.

Respirator: None under normal use conditions.

**MATERIAL SAFETY DATA SHEET**

**MSDS # 3000**

**Section Nine: Physical and Chemical Properties**

Boiling Point: N/A  
 Specific Gravity: N/A  
 Vapor Pressure: N/A  
 Solubility in Water: N/A  
 Evaporation Rate: N/A  
 Appearance/Odor: Marker/Alcohol (ink)

**Section Ten: Stability and Reactivity**

Stability: N/A  
 Conditions to Avoid: Avoid exposure to heat, flame or other sources of ignition.  
 Chemical Incompatibility: N/A  
 Hazardous Polymerization: N/A

**Section Eleven: Toxicological Information**

See Section Two: Hazard Identification for any hazards

**Section Twelve: Ecological Information**

Not available

**Section Thirteen: Disposal Considerations**

Dispose of in accordance with all Federal, State, and Local Regulations.

**Section Fourteen: Transport Information**

DOT: Not available  
 IATA: Not available  
 IMO: Not available

**Section Fifteen: Regulatory Information**

United States: All components in this product are listed on or exempt from reporting under the Federal Toxic Substances Control Act (TSCA).

**Section Sixteen: Other Information**

HMIS Code	
Health	N/A
Flammability	N/A
Reactivity	N/A
Personal Protection	N/A

0=Minimal / 4 = Severe

NewellRubbermaid, Inc has been advised by Counsel that the OSHA Hazard Communication Standard and the Health Canada Workplace Hazardous Materials Information Standard do not apply to the Sanford Product described in this Material Safety Data Sheet. The reasons for the exemptions are contained in 29 CFR 1910.1200(b)(6)(ix) as amended Sept 14, 2009 per the Code of Federal Regulations and also Canadian Hazardous Products Act part 12 section (f) as amended June 1, 2009. The information contained in this MSDS is forwarded to you for your information, but is not meant to imply that the product is covered by nor is this MSDS meant to comply with all requirements of the hazard communication standards.

## Hazard Communication Compliance Declaration

Newell-Rubbermaid (NWL) writing instruments comply with U.S. OSHA GHS Hazard Communication Standard of 29 CFR section 1910.1200 (OSHA HazCom 2012) by virtue of exemption as 'articles' and as 'consumer products' per 29 CFR section 1910.1200(b)(6)(v) and (ix). Therefore, GHS Safety Data Sheets are not required for our writing instruments.

An 'article' is defined in Section 1910.1200(c) "as a manufactured item other than a fluid or particle:

- Which is formed to a specific shape or design during manufacture;
- Which has end use function(s) dependent in whole or in part on its shape or design during end use; and
- Which, under normal conditions of use, does not release other than very small (minute or trace) amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees."

The 'consumer product' exemption in 29 C.F.R. section 1910.1200(b)(6)(ix) states that:

- Any consumer product or hazardous substance, as those terms are defined in the Consumer Product Safety Act (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.

OSHA has consistently taken the position, in various rulemaking documents and interpretation letters, "most office products (such as pens, pencils, adhesive tape) to be exempt under the provisions of the rule, either as articles or as consumer products." Markers also fall into these exempted categories. This position is cited currently on [OSHA's website](#) in a letter from OSHA Assistant Secretary John A. Pendergrass to U.S. Congressman Jim Bunning. These examples are cited again in OSHA's FAQs on the [Hazard Communication Standard](#) which further reinforces that Newell-Rubbermaid writing products are exempt from Hazard Communication requirements, specifically GHS Safety Data Sheet documentation.

A non-exhaustive list is provided below of Newell-Rubbermaid writing instruments that qualify as 'articles' and 'consumer products' that are exempt from GHS Safety Data Sheet requirements:

- Prismacolor Premier Colored Pencils and Sharpeners
- Prismacolor Nupastels and Art Stix and Erasers
- Sharpie Permanent Markers
- Sharpie Pens
- Sharpie Highlighters (Clearview, Accent, etc)
- Paper Mate Pens (InkJoy, FlexGrip, Replay, etc)
- Paper Mate Mechanical Pencils
- Paper Mate Flair Pens
- Paper Mate Pearl Erasers
- Paper Mate Replay Premium Erasable Pens
- Expo Dry Erase Markers
- Expo Whiteboard Cleaner Wipes
- Expo Learning Boards
- Liquid Paper Correction Pens
- Liquid Paper Dryline Correction Tape
- Parker Fountain Pens
- Waterman Fountain Pens
- Rotring Tikky Ballpoint Pens
- Woodcase Pencils (Mongol, Mirado, etc)
- uni-ball pens

3500 Lacey Road | Downers Grove, IL | Phone +1 (630)-829-2500 | [www.newellrubbermaid.com](http://www.newellrubbermaid.com)



# Schultz® Liquid Plant Food – All Analyses

Safety Data Sheet

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

Revision Date: 11/12/2014 Date of issue: 07/31/2015

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE

### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Schultz Liquid Plant Food -- All Analyses

### 1.2. Intended Use of the Product

**Use of the substance/mixture:** Fertilizer

### 1.3. Details of the Supplier of the Safety Data Sheet

Knox Fertilizer Company, Inc.

P.O. Box 248

Knox, IN 46534

TEL: 574-772-6275

### 1.4. Emergency Telephone Number

Emergency Number: CHEMTREC 1-800-424-9300

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### Classification (GHS-US)

Acute Tox. 4 (Oral)	H302
Skin Irrit. 2	H315
Eye Irrit. 2B	H320
STOT SE 3	H335
Aquatic Acute 2	H401
Aquatic Chronic 3	H412

### 2.2. Label Elements

#### GHS-US Labeling

Hazard Pictograms (GHS-US):



Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

: H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H320 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H401 - Toxic to aquatic life  
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements (GHS-US)

: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 - Wash hands thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P273 - Avoid release to the environment  
P280 - Wear eye protection, protective gloves, protective clothing  
P302+P352 - IF ON SKIN: Wash with plenty of water  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

# Schultz® Liquid Plant Food – All Analyses

## Safety Data Sheet

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

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a poison center/doctor if you feel unwell  
P321 - Specific treatment (see Section 4 on this label)  
P330 - Rinse mouth.  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container according to local, regional, national, and international regulations

### 2.3. Other Hazards

**Other Hazards:** No additional information available

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture (Exact percentages of ingredients are being withheld as a trade secret)

Name	Product identifier	%	Classification (GHS-US)
Urea	(CAS No) 57-13-6	0.0 - 100	Skin Irrit. 2, H315 Eye Irrit. 2B, H320
Potassium Nitrate	(CAS No) 7757-79-1	0.0 - 100	Eye Irrit. 2B, H320
Monopotassium Phosphate	(CAS No) 7778-77-0	0.0 - 100	Not classified
Monoammonium Phosphate	(CAS No) 7722-76-1	0.0 - 100	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335
Potassium Tripolyphosphate (KTPP)	(CAS No)	0.0 - 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335
Iron (III) EDTA	(CAS No) 15708-41-5	0.0 - 5	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335
Manganese EDTA	(CAS No) 15375-84-5	0.0 - 5	Eye Irrit. 2B, H320
Zinc EDTA	(CAS No) 14025-21-9	0.0 - 5	Not Classified

Full text of H-phrases: see section 1

# Schultz® Liquid Plant Food – All Analyses

## Safety Data Sheet

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

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First Aid Measures

**First-aid Measures General:** If medical advice is needed, have product container or label at hand.

**First-aid Measures After Inhalation:** If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

**First-aid Measures After Eye Contact:** Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Ingestion:** If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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

**Symptoms/Injuries:** Not expected to present a significant hazard under anticipated conditions of normal use.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Not considered flammable but will burn at high temperatures. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** None known.

#### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Decomposes above 132 °C (270 °F). Under conditions of fire this material may produce: Ammonia. Nitrogen oxides. Biuret. Cyanuric acid.

**Explosion Hazard:** May form explosive compounds if mixed with: Calcium hypochlorite. Sodium hypochlorite. Nitrates. Nitric acid. Perchloric acid. Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

**Reactivity:** This product as shipped in the form of coarse granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard).

#### 5.3. Advice for Firefighters

**Firefighting Instructions:** Not flammable.

**Protection During Firefighting:** Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

**Other information:** Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Handle in accordance with good industrial hygiene and safety practice. This material becomes slippery when wet.

##### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Wear suitable protective clothing, gloves and eye/face protection.

**Emergency Procedures:** Collect as any solid. Ventilate area. Evacuate unnecessary personnel.

##### 6.1.2. For Emergency Responders

**Protective Equipment:** Wear suitable protective clothing, gloves and eye/face protection.

**Emergency Procedures:** If possible, stop flow of product. Contain and collect as any solid. Ventilate area. Evacuate unnecessary personnel.

# Schultz® Liquid Plant Food – All Analyses

## Safety Data Sheet

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

### 6.2. Environmental Precautions

Avoid release to the environment.

### 6.3. Methods and Material for Containment and Cleaning Up

**Methods for Cleaning Up:** Soak up spills with inert solids such as clay or diatomaceous earth as soon as possible. Collect spillage. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

### 6.4. Reference to Other Sections: No additional information available

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Handle in accordance with good industrial hygiene and safety procedures. Wear recommended personal protective equipment.

**Hygiene Measures:** Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store tightly closed in a dry, cool and well-ventilated place. Protect from moisture.

**Prohibitions on mixed storage:** Store away from: Ammonium nitrate. Refer to Section 10 on Incompatible Materials.

**Special Rules on Packaging:** Corrosive to copper and its alloys.

### 7.3. Specific End Use(s)

Fertilizer.

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1. Control Parameters

No additional information available

### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection. For particulates and dust: Safety glasses.



**Hand Protection:** Protective Gloves.

**Eye Protection:** Safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

**Environmental Exposure Controls:** Ensure adequate ventilation, especially in confined areas.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

<b>Physical State:</b>	Liquid.
<b>Color:</b>	Light Blue.
<b>Odor:</b>	Characteristic
<b>Odor Threshold</b>	N/A
<b>pH:</b>	N/A
<b>pH solution:</b>	N/A
<b>Relative Evaporation Rate (butylacetate=1):</b>	N/A
<b>Melting Point:</b>	N/A
<b>Freezing Point:</b>	N/A



# Schultz® Liquid Plant Food – All Analyses

## Safety Data Sheet

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

<b>Boiling Point:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Auto-ignition Temperature:</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Vapor Pressure:</b>	N/A
<b>Relative Vapor Density at 20° C:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Density:</b>	No data available
<b>Solubility: Water:</b>	Readily soluble
<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Viscosity:</b>	N/A

9.2. Other Information No additional information available

## SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity:** This product as shipped in the form of fine crystals/granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard).

**10.2. Chemical Stability:** Stable at standard temperature and pressure.

**10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**10.4. Conditions to Avoid:** Protect from moisture. Keep away from heat.

**10.5. Incompatible Materials:** May form explosive mixture if in contact with strong acid such as nitric or perchloric acids. Avoid contact with: Strong oxidizers. Strong acids, bases. Nitrates. Hypochlorites. Perchlorates. Chlorides. Corrosive to copper and its alloys.

**10.6. Hazardous Decomposition Products:** Under conditions of fire this material may produce: Nitrogen oxides. Ammonia. Biuret. Carbon oxides (CO, CO<sub>2</sub>). Formaldehyde.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

**Acute Toxicity:** Not classified

<b>Monoammonium Phosphate (7722-76-1)</b>	
<b>LD<sub>50</sub> Oral Rat</b>	5750 mg/kg
<b>LD<sub>50</sub> Dermal Rabbit</b>	>7940 mg/kg
<b>ATE US (Oral)</b>	5750.0000 mg/kg body weight
<b>Monopotassium Phosphate (7778-77-0)</b>	
<b>LD<sub>50</sub> Oral Rat</b>	7100 mg/kg
<b>LD<sub>50</sub> Dermal Rabbit</b>	>4640 mg/kg
<b>ATE US (Oral)</b>	7100.0000 mg/kg body weight
<b>Potassium Nitrate (7757-79-1)</b>	
<b>LD<sub>50</sub> Oral Rat</b>	3750 mg/kg
<b>LD<sub>50</sub> Dermal Rat</b>	>5000 mg/kg
<b>ATE US (Oral)</b>	3750.0000 mg/kg body weight
<b>Urea (57-13-6)</b>	
<b>LD<sub>50</sub> Oral Rat</b>	8471 mg/kg
<b>LD<sub>50</sub> Dermal Rat</b>	>3200 mg/kg
<b>LD<sub>50</sub> Dermal Rabbit</b>	>21000 mg/kg
<b>ATE US (Oral)</b>	8471.0000 mg/kg body weight

# Schultz® Liquid Plant Food – All Analyses

## Safety Data Sheet

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

Iron (III) EDTA (15708-41-5)	
LD <sub>50</sub> Oral Rat	5000 mg/kg
ATE (Oral)	5000.0000 mg/kg body weight

**Ingestion:** Harmful if swallowed.

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Irritation:** Causes eye irritation.

**Skin Sensitization:** Causes skin irritation.

**Respiratory:** May cause respiratory irritation.

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** May cause respiratory irritation.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Overexposure may be irritating to the respiratory system.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause eye irritation.

**Symptoms/Injuries After Ingestion:** If a large quantity has been ingested: Abdominal pain. Diarrhea. Nausea. Vomiting.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Monoammonium Phosphate (7722-76-1)	
LC <sub>50</sub> Fish 1	155 ppm (Exposure time: 96 h - Species: <i>Pimephales promelas</i> )
Urea (57-13-6)	
LC <sub>50</sub> Fish 1	>6810 mg/l (Exposure time: 96 h - Species: <i>Leuciscus idus</i> )
EC <sub>50</sub> Daphnia 1	> 10000 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> )
LC <sub>50</sub> Fish 2	17500 mg/l (Exposure time: 96 h - Species: <i>Poecilia reticulata</i> )
EC <sub>50</sub> Daphnia 2	> 10000 mg/l (Exposure time: 24 h - Species: <i>Daphnia magna</i> )
Threshold limit other aquatics 1	120000 mg/l (Exposure time: 16 h - Species: <i>Bacteria</i> ; Toxicity Test)
Threshold limit other aquatics 1	>10000 mg/l (Species: <i>Pseudomonas putida</i> )
Threshold limit Algae 1	> 10000 mg/l (Exposure time: 168 h - Species: <i>S. quadricauda</i> )
Potassium Nitrate (7757-79-1)	
LC <sub>50</sub> Fish 1	162 mg/l (Exposure time: 96 h - Species: <i>Pisces sp.</i> ; Lethal)
EC <sub>50</sub> Daphnia 1	39 mg/l (Exposure time: 96 h - Species: <i>Daphnia magna</i> )
LC <sub>50</sub> Fish 2	1378 mg/l (Exposure time: 96 h - Species: <i>Poecilia reticulata</i> )
EC <sub>50</sub> Daphnia 2	490 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> )
Threshold limit Fish 1	3000 mg/l (Exposure time: 96 h - Species: <i>Lepomis macrochirus</i> )
Threshold limit Fish 2	162 mg/l (Exposure time: 96 h - Species: <i>Gambusia affinis</i> )
Monopotassium Phosphate (7778-77-0)	
LC <sub>50</sub> Fish 1	>900 mg/l (Exposure time: 48 h - Species: <i>Leuciscus idus</i> )
EC <sub>50</sub> Other Aquatic Organisms 1	2 ppm (Exposure time: 672 h - Species: <i>Potamogeton sp.</i> )
Threshold Limit Algae 1	1 ppm (Exposure time: 672h - Species: <i>Elodea sp.</i> )

# Schultz® Liquid Plant Food – All Analyses

## Safety Data Sheet

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

### Iron (III) (15708-41-5)

LC<sub>50</sub> Fish 1

2592 mg/l (Exposure time: 96 h - Species: *Pisces*)

### 12.2. Persistence and Degradability

#### Schultz Liquid Plant Food – All Analyses

##### Persistence and Degradability

May cause long-term adverse effects in the environment. This product is water soluble and eventually biodegrades into elemental nitrogen. Excess nitrogen and nitrates in a body of water will contribute to eutrophication with visible effects such as toxic algae bloom.

### 12.3. Bioaccumulative Potential

#### Monoammonium Phosphate (7722-76-1)

##### Bioaccumulative Potential

(no bioaccumulation expected)

#### Potassium Nitrate (7757-79-1)

##### Bioaccumulative Potential

Not Established

#### Urea (57-13-6)

##### BCF fish 1

< 10

##### Log Pow

-1.59 (at 25 °C)

##### Bioaccumulative Potential

Not Established

#### Monopotassium Phosphate (7778-77-0)

##### Bioaccumulative Potential

Not Established

12.4. **Mobility in Soil:** No additional information available.

12.5. **Other Adverse Effects:** No additional information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Sewage Disposal Recommendations:** This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**Waste Disposal Recommendations:** Place in an appropriate container and dispose of the contaminated material at a licensed site.

**Additional Information:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

## SECTION 14: TRANSPORT INFORMATION

14.1. **In Accordance with DOT:** Not regulated for transport

14.2. **In Accordance with IMDG:** Not regulated for transport

14.3. **In Accordance with IATA:** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

#### Schultz Water Soluble Fertilizer – All Analyses

NOT Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed on the United States TSCA (Toxic Substances Control Act) inventory.

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.

# Schultz® Liquid Plant Food – All Analyses

## Safety Data Sheet

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

**15.2. US State Regulations:** No additional information available.

### SECTION 16: OTHER INFORMATION

**Other Information:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Aquatic Acute 2	Toxic to aquatic environment - Acute Hazard Category 2
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H315	Causes skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation
H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

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