

1. Identification of the Substance / Preparation and of the Company / Undertaking

Product Name: Crop Choice Urea Triazone 30
Recommended Use Agricultural Applications or Further Manufacturing Use
Restrictions on use None known
Manufacturer
 SOIL SERVICE, INC.
 2576 N County Road 1600 E.
 Niota, IL 62358
 1-888-313-2360
Emergency Telephone:
 217-357-2360

2. Hazards Identification

GHS - Classification
 Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Hazards not otherwise classified (HNOC)
 Not applicable

Label elements

Signal Word: None

Precautionary Statements:
 • As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

3. Composition / Information on Ingredients

Non-Hazardous

Chemical name	CAS No.	Weight-%	EC No
Trade Secret	-	67-50	Not Listed
Water	7732-18-5	Balance	231-791-2
Trade Secret	-	10 - 20%	Listed

4. First Aid Measures

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.
Inhalation Remove to fresh air.
Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact Wash skin with soap and water.
Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).
Most important symptoms and effects, both acute and delayed
Symptoms Burning sensation.
Indication of any immediate medical attention and special treatment needed
Note to physicians Treat symptomatically.

5. Fire-fighting Measures

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
Explosion Data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
Other information	Refer to protective measures listed in Sections 7 and 8.
Methods and material for containment and cleaning up	
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.
Conditions for safe storage, including any incompatibilities	

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).
Incompatible materials	Zinc. Aluminum. Copper.

8. Exposure Controls / Personal Protection

Control parameters

Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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Appropriate engineering controls

Engineering controls	Showers Eyewash stations Ventilation systems.
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Individual protection measures, such as personal protective equipment

Eye/face protection	Tight sealing safety goggles.
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State:	Liquid	Odor:	Slight amine odor
Appearance:	No information available	Odor Threshold:	No information available
Color:	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH:	10	No information available
"Salt Out" Point (°F):		No information available
Melting Point/Freezing Point:	< 20 °C / 68 °F	
Boiling Point/Boiling Range:	215 °C / 419 °F	
Flash Point:		No information available
Evaporation Rate (BuAc=1):		No information available
Flammability (solid, gas):		No information available
Flammability Limits in Air:		No information available
Upper Flammability Limit:		Lower Flammability Limit:
Vapor Pressure (mm Hg) :		No information available
Vapor density (Air =1)		No information available
Specific Gravity (H₂O=1):	1.28	
Specific Gravity (2nd value):		
Water Solubility:	Soluble in water	
Solubility(ies):		No information available
Partition Coefficient (n-octanol/water)		No information available
Autoignition Temperature:		No information available
Decomposition Temperature:		No information available
Kinematic Viscosity:		No information available
Dynamic Viscosity:		No information available
Oxidizing Properties:	No information available	
Explosive Properties:	No information available	

9.2. Other information

Softening Point:	No information available
Molecular Weight:	N/A
VOC Content(%):	No information available
Liquid Density	10.7 lbs/gal
Bulk density	No information available

10. Stability and Reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Zinc. Aluminum. Copper.
Hazardous decomposition products	None known based on information supplied.

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

Product Information	
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms** May cause redness and tearing of the eyes.**Numerical measures of toxicity**

No information available

Acute Toxicity:**The following values are calculated based on chapter 3.1 of the GHS document .****ATEmix (oral)** 2,382.00 mg/kg**Unknown Acute toxicity** 84 % of the mixture consists of ingredient(s) of unknown toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

84 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

84 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

84 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

84 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD ₅₀ :	Dermal LD ₅₀ :	LC ₅₀ (Lethal Concentration):
Trade Secret	= 8394 mg/kg (Rat)	-	> 167 mg/m ³ (Rat) 4 h
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Trade Secret	= 8471 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Skin corrosion/irritation** May cause skin irritation.**Serious eye damage/eye irritation** Classification based on data available for ingredients. Irritating to eyes.**Respiratory or skin sensitization** No information available.**Germ cell mutagenicity** No information available.**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.**Reproductive toxicity** No information available.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Other Adverse Effects:** No information available.**Aspiration hazard** No information available.**12. Ecological Information****Ecotoxicity** The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Trade Secret	-	16200 - 18300: 96 h Poecilia reticulata mg/L LC50	-	10000: 24 h Daphnia magna Straus mg/L EC50 3910: 48 h Daphnia magna mg/L EC50 Static

Persistence and Degradability: No information available.**Bioaccumulation:** There is no data for this product.

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Chemical name	Partition Coefficient:
Trade Secret	-1.59

Other Adverse Effects: No information available.

13. Disposal Considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging Do not reuse empty containers.

14. Transport Information

DOT
Description Not DOT Regulated

15. Regulatory Information

International Inventories

AICS Complies
TSCA Complies
DSL/NDSL Complies
EINECS/ELINCS -
ENCS -
IECSC Complies
KECL Complies
PICCS Complies

Chemical name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Trade Secret	Present	Present	Present	-	-	-	Present	Present [25325] (also listed under CAS number: 9015-64-9 with inventory number: 25306)	Present	Present
Water	Listed	Listed	Listed	-	Listed	-	-	Listed	KE-35400	Present
Trade Secret	Listed	Listed	Listed	-	Listed	-	(2)-1732	Listed	KE-35144	Present

Inventory Legend

AICS - Australian Inventory of Chemical Substances
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

RESTRICTIONS - REACH TITLE VII No information available

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

U.S. State Right-to-Know Regulations

California Proposition 65:

This product does not contain any Proposition 65 chemicals

16. Other Information

Prepared By: HSE Department

Issue Date: 09-Aug-2019

Revision Date: 09-Aug-2019

Revision Note: New Product

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet