

Issue Date: 22-Aug-2018

Revision Date: 06-May-2021

Version 1

**1. Identification****Product identifier****Product Name:** Crop Choice 9-18-9**Other means of identification****Product Code:** 54850**Recommended use of the chemical and restrictions on use****Recommended Use:** Agricultural Applications or Further Manufacturing Use**Restrictions on Use:** None known**Details of the supplier of the safety data sheet****Manufacturer:** SOIL SERVICE, INC.  
2576 N County Road 1600 E.  
Niota, IL 62358  
1-888-313-2360**Emergency telephone number****Emergency Telephone:** 1-888-313-2360**2. Hazard(s) identification****Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

**Hazards not otherwise classified (HNOC)**

Not applicable

**Label elements****Signal word:** Warning**Hazard statements:**

Causes skin irritation

Causes serious eye irritation

**Precautionary Statements - Prevention:**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/eye protection/face protection

**Precautionary Statements - Response:**

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 advice/attention

IF ON SKIN: Wash with plenty of water and soap

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

**Unknown Acute toxicity:** Not applicable

**Other Information**

Not applicable

### 3. Composition/information on ingredients

Chemical name	CAS No.	Weight-%
Trade Secret 1	Trade secret	Proprietary
Trade Secret 2	Trade secret	Proprietary
Trade Secret 3	Trade secret	Proprietary
Trade Secret 4	Trade secret	Proprietary
Trade Secret 5	Trade secret	Proprietary
Trade Secret 6	Trade secret	Proprietary

Any concentration shown as a range is due to batch variation or the exact percentage has been withheld as a trade secret.

### 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. Get medical attention immediately if symptoms occur.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

**Skin contact**

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

**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**

Redness. May cause redness and tearing of the eyes.

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

**Note to physicians**

Treat symptomatically. Symptoms may be delayed.

### 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**

No information available.

**Hazardous combustion products**

Carbon oxides. Phosphorus oxides. Nitrogen oxides (NO<sub>x</sub>). Potassium Oxides.

**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. Ensure adequate ventilation. 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. Keep out of drains, sewers, ditches and waterways.

**Methods for cleaning up** Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

## 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. Take off contaminated clothing and wash before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** Strong acids. Strong bases. Strong oxidizing agents. Calcium hypochlorite. Sodium hypochlorite. Sodium nitrite.

## 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.

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

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

**Eye/face protection** Tight sealing safety goggles.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved 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.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

**General hygiene considerations** Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this

product. Avoid contact with skin, eyes or clothing.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Clear
<b>Color:</b>	Colorless
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No information available

### pH:

<b>pH Range:</b>	7.10-7.40
<b>Salt Out Point:</b>	No information available
<b>Melting Point/Freezing Point:</b>	-19 °C / -2 °F
<b>Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	No information available
<b>Evaporation Rate (BuAc=1):</b>	No information available
<b>Flammability (solid, gas):</b>	No information available
<b>Flammability Limits in Air:</b>	No information available
<b>Vapor Pressure (mm Hg):</b>	No information available
<b>Vapor density (Air =1):</b>	No information available
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.32
<b>Water Solubility:</b>	No information available
<b>Solubility(ies):</b>	Complete (100%)
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Autoignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Kinematic Viscosity:</b>	No information available
<b>Dynamic Viscosity:</b>	No information available

### Other information

<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available
<b>Molecular Weight:</b>	N/A

## 10. Stability and reactivity

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Hygroscopic.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Exposure to air or moisture over prolonged periods.
<b>Incompatible Materials</b>	Strong acids. Strong bases. Strong oxidizing agents. Calcium hypochlorite. Sodium hypochlorite. Sodium nitrite.
<b>Hazardous decomposition products</b>	Carbon oxides. Nitrogen oxides (NO <sub>x</sub> ). Phosphorus oxides. Potassium Oxides.

## 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. Irritating to eyes. (based on components). Causes serious eye irritation.

**Skin contact** Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

**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** Redness. May cause redness and tearing of the eyes.

**Numerical measures of toxicity**

**Acute Toxicity:**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 9,990.10 mg/kg

**ATEmix (dermal)** 13,713.65 mg/kg

**Component Information**

Chemical name	Oral LD <sub>50</sub> :	Dermal LD <sub>50</sub> :	LC <sub>50</sub> (Lethal Concentration):
Trade Secret 1	-	> 5000 mg/kg ( Rabbit )	-
Trade Secret 2	> 2000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 5 mg/L ( Rat ) 4 h
Trade Secret 3	= 5750 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	-
Trade Secret 4	= 3200 mg/kg ( Rat )	-	> 0.83 mg/L ( Rat ) 4 h
Trade Secret 6	> 90 mL/kg ( Rat )	-	-

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

**Skin corrosion/irritation** Classification based on data available for ingredients. Irritating to skin.

**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.

**Aspiration hazard** No information available.

**Other Adverse Effects:** 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 2	-	26.5 mg/L (LC50 96 h - Oncorhynchus mykiss) 24.8 - 29.4 mg/L (LC50 96 h flow-through - Oncorhynchus mykiss) 3.3 mg/L (LC50 96 h - Pimephales promelas) 33 mg/L (LC50 96 h static - Pimephales promelas)	-	-
Trade Secret 3	-	85.9 mg/L (LC50 96 h static - Oncorhynchus mykiss)	-	-

**Persistence and Degradability:** No information available.

**Bioaccumulation:** There is no data for this product.

**Mobility:** No information available.

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

### 13. Disposal considerations

#### Waste treatment methods

#### Waste from residues/unused products

Dispose of in accordance with local, state, and national 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

Chemical name	TSCA	AICS	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Trade Secret	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Trade Secret	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Trade Secret	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Trade Secret	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Trade Secret	Present ACTIVE	-	-	Present	Present	-	-	Present	-	-
Trade Secret	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**AICS** - Australian Inventory of Chemical Substances

**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

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Trade Secret	1.0
Trade Secret	1.0

#### **SARA 311/312 Hazard Categories**

Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 and later calendar years will need to be consistent with updated hazard classifications.

#### **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.

#### **Clean Water Act (CWA)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **OSHA - Process Safety Management - Highly Hazardous Chemicals**

This product does not contain any substances regulated under Process Safety Management (29 CFR 1910.119).

#### **Department of Homeland Security - Chemical Facility Anti-Terrorism Standards (CFATS)**

This product does not contain any substances regulated under the Chemical Facility Anti-Terrorism Standards (6 CFR 27).

## **16. Other information**

**Prepared By:** HSE Department  
**Issue Date:** 22-Aug-2018  
**Revision Date:** 06-May-2021  
**Revision Note:** Format change. Reviewed and Re-issued.

#### **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**