



Issuing Date 31-Jan-2022

Revision Date 31-Jan-2022

Revision Number 1

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

Product Name **SEEKER 4SC HERBICIDE**

### Other means of identification

Product Code 2122910  
CAS Number MIXTURE  
Formula Not available  
Synonyms Not available  
EPA Registration Number 93365-2-2749

### Recommended use of the chemical and restrictions on use

Recommended Use Agriculture  
Uses advised against Do not use where contact with food or drinking water is possible. Avoid prolonged contact with eyes, skin, and clothing.

### Details of the supplier of the safety data sheet

Supplier Address ACETO LIFE SCIENCES, LLC  
4 Tri Harbor Court  
Port Washington, NY 11050-4661  
Phone: (516) 627-6000  
Fax: (516) 627-6093  
Email: aceto@aceto.com

### Emergency telephone number(s)

ChemTrec: 1-800-424-9300 Outside of the United States: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

Specific target organ toxicity (repeated exposure)	Category 2
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### Label elements

#### Emergency Overview

Signal Word

**Warning**

Hazard statements

May cause damage to organs through prolonged or repeated exposure

**Appearance**

Light yellow liquid suspension

**Physical State**

Liquid (Suspension)

**Odor**

Pleasant

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell

**Precautionary Statements - Disposal**

Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

Avoid contact with skin, eyes, or clothing. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. Do not mix or allow coming in contact with oxidizing agent. Hazardous chemical reaction may occur.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms** Not available

**Formula** Not available

Chemical name	CAS No.	Weight-%	North American Hazard Indicator
Ethylene Glycol	107-21-1	<5	50 ppm STEL (vapor fraction); 10 mg/m <sup>3</sup> STEL (inhalable particulate matter, aerosol only) 25 ppm TWA (vapor fraction)
Mesotrione	104206-82-8	40	True
Other Ingredients	N/A	>55	False

### 4. FIRST AID MEASURES

**First Aid Measures**

**General Advice** Show this safety data sheet to the doctor in attendance.

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

**Skin Contact** Wash off immediately with plenty of water. Wash contaminated clothing before reuse.

	Consult a physician.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.
<b>Ingestion</b>	Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Self-Protection of the First Aider</b>	Use personal protective equipment as required. Avoid contact with eyes, skin and clothing.

**Most important symptoms and effects, both acute and delayed**

**Signs and Symptoms** No information available.

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

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry powder.

**Unsuitable Extinguishing Media** No information available.

**Hazardous Combustion Products** Hydrogen Gas.

**Explosion Data** Not available

**Sensitivity to mechanical impact** Not available.

**Sensitivity to static discharge** Not available.

**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

**Environmental Precautions** Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

**Methods and material for containment and cleaning up**

**Methods for Clean-up** Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Use only in an area equipped with a safety shower. Ensure that eyewash stations and

safety showers are close to the workstation location. Ensure adequate ventilation. Do not breathe vapours/dust. Avoid contact with eyes, skin and clothing. Avoid repeated exposure.

#### **Conditions for safe storage, including any incompatibilities**

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

**Incompatible Materials** Strong oxidizing agents.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol 107-21-1	25 ppm TWA (vapor fraction) 50 ppm STEL (vapor fraction); 10 mg/m <sup>3</sup> STEL (inhalable particulate matter, aerosol only)	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	-
Mesotrione 104206-82-8	-	-	-
Other Ingredients N/A	-	-	-

#### **Appropriate engineering controls**

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

**Eye/Face Protection** Tight sealing safety goggles.

**Skin and body protection** Use suitable eye protection and gloves.

**Respiratory Protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

#### **Information on basic physical and chemical properties**

**Appearance** Light yellow liquid suspension  
**Physical State** Liquid (Suspension)  
**Odor** Pleasant  
**Color** Light yellow  
**Odor Threshold** No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	2.93 (1% in water)	
<b>Melting point / Freezing point</b>	No Data Available	Literary Reference
<b>Boiling point / boiling range</b>	No information available	
<b>Flash Point</b>	> 100 °C	No information available
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>	No information available	
<b>Upper flammability limit</b>	No information available	
<b>Lower flammability limit</b>	Not available	
<b>Vapor Pressure</b>	No information available	

<b>Vapor Density</b>	Not available	
<b>Specific Gravity</b>	1.206 (10.04 lb/gal)	
<b>Water Solubility</b>	Mesotrione 160 mg/l @ 68oF (20oC) (99.7% pure)	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	Not available	
<b>Autoignition temperature °C</b>	No Data Available	Estimated
<b>Decomposition temperature</b>	No Data Available	
<b>Kinematic Viscosity</b>	No information available	
<b>Dynamic Viscosity</b>	Not available	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other Information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC content</b>	This product contains VOCs
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available
<b>Corrosion characteristics</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not reactive but do not mix with oxidizing agents.
<b>Chemical Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Heat, flames and sparks. Spray solutions of this product should be mixed, stored and applied using only plastic , plastic-lined stainless steel or fiberglass/plastic containers. Concentrate should not be stored or maintained in long-term contact with galvanized steel, carbon steel, aluminum, brass or cast iron.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	No information available.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

**11. TOXICOLOGICAL INFORMATION****Product Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene Glycol	NA	NA	NA
Mesotrione	> 5,000 mg/kg (Rat)	> 2,000 mg/kg (Rat)	>4.75 mg/l (Rat)
Other Ingredients	-	-	-

> 5,000 mg/kg; (rat) > 5,000 mg/kg; (rat) > 5.19 mg/L; 4H; (rat)

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

**Information on likely routes of exposure**

<b>Eye contact</b>	Mild eye irritant.
<b>Skin Contact</b>	Slightly irritating.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

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

Chemical name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol 107-21-1	A4 - Not Classifiable as a Human Carcinogen	-	-	-
Mesotrione 104206-82-8	-	-	-	-
Other Ingredients N/A	-	-	-	-

**Serious eye damage/irritation** No information available.

**Skin Corrosion/Irritation** No information available.

**Sensitization** No information available.

**Reproductive Effects** No information available.

**Mutagenic Effects** No information available.

**Developmental Effects** No information available.

**STOT - single exposure** No information available.

**STOT - Repeated Exposure** No information available.

**Aspiration Hazard** No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Avoid release to the environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethylene Glycol 107-21-1	-	-	-	-
Mesotrione 104206-82-8	Green Algae 72-hour ErC50 13 mg/l	Rainbow Trout 96-hour LC50 >120 mg/l Bluegill Sunfish 96-hour LC50 >120 mg/l	-	Daphnia magna 48-hour EC50 900 mg/l
Other Ingredients N/A	EC50 (72 h) 4.5 mg/l (growth rate), Green Algae	LC50 (96 h) > 120mg/l, Oncorhynchus mykiss (Rainbow Trout) and Bluegill Sunfish	-	EC50 (48 h) 900 mg/l, Daphnia magna (water flea)

**Persistence/Degradability** No information available.

**Bioaccumulation/Accumulation** No information available.

**Mobility in Soil** No information available.

Chemical name	log Pow =
Ethylene Glycol 107-21-1	-1.93
Mesotrione 104206-82-8	-

Other Ingredients N/A	-
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**Other adverse effects** No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal Methods** Contact waste disposal services. Dispose of in accordance with local regulations.

**Contaminated Packaging** Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

#### IMDG

**UN number** UN3082  
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.  
**Transport hazard class(es)** 9  
**Packing Group** III  
**EmS No.** F-A, S-F  
**Marine Pollutant** This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Other Ingredients, Mesotrione), 9, III, Marine pollutant

**RID** Not regulated

**ADR** Not regulated

**ADN** Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

**TSCA** Does not comply  
**Canada (DSL)** Does not comply  
**EU (EINECS)** Does not comply  
**EU (ELINCS)** Does not comply  
**Japan (ENCS)** Does not comply  
**China (IECSC)** Does not comply  
**Korea (KECL)** Does not comply  
**Philippines (PICCS)** Does not comply  
**Australia (AICS)** Does not comply  
**Mexico INV** Does not comply  
**Taiwan INV** Does not comply

Chemical name	U.S.A. (TSCA)	Canada (DSL)	EU (EINECS)	EU (ELINCS)	
Ethylene Glycol	Present	Present	X	-	
Mesotrione	Present	-	-	-	
Other Ingredients	-	-	-	-	
Component	Japan (ENCS)	China (IECSC)	Korea (KECL)	Philippines (PICCS)	Australia (AICS)
-	Present (2)-230	Present	Present	Present	Present
-	-	-	-	-	-
-	-	-	-	-	-
Chemical name	Mexico INV		Taiwan INV		
Ethylene Glycol 107-21-1	Present		Present		
Mesotrione 104206-82-8	-		Present		
Other Ingredients N/A	-		-		

In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA. This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required by Safety Data Sheets, and for workplace labels of non-pesticide chemicals.

## 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

Component	SARA 313 - Threshold Values
Ethylene Glycol 107-21-1 ( <5 )	1.0 % de minimis concentration

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

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following HAPs:

Chemical name	CAS No.	HAPS data
Ethylene Glycol	107-21-1	Present

### **VOC content**

This product contains VOCs

Chemical name	CAS No.	VOCs
Ethylene Glycol	107-21-1	Present



**CWA (Clean Water Act)**

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)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ethylene Glycol 107-21-1	-	-	-	-
Mesotrione 104206-82-8	-	-	-	-
Other Ingredients N/A	-	-	-	-

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	CERCLA/SARA Hazardous Substances	CERCLA/SARA RQ	RQ
Ethylene Glycol 107-21-1	5000 lb final RQ; 2270 kg final RQ	-	5000 lb final RQ; 2270 kg final RQ
Mesotrione 104206-82-8	-	-	-
Other Ingredients N/A	-	-	-

## State Regulations

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical name	CAS No.	California Proposition 65	Type
Ethylene Glycol	107-21-1	Developmental	

**State Right-to-Know**

This product contains the following State Right-to-Know chemicals:

Chemical name	New Jersey	Massachusetts	Illinois	Rhode Island	Pennsylvania
Ethylene Glycol 107-21-1	sn 0878	Present	Present	-	Environmental hazard
Mesotrione 104206-82-8	-	-	-	-	-
Other Ingredients N/A	-	-	-	-	-

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## Canada

**WHMIS Statement**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

**NFPA**

Health 2

Flammability 1

Instability 0

Physical Hazard 0



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Not available

**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**

**California Proposition 65**

Graphic



Signal Word

WARNING!

**California Proposition 65**

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Chemical name	California Proposition 65
Ethylene Glycol - 107-21-1	Developmental