



# SAFETY DATA SHEET

Issuing Date 01-Mar-2017

Revision Date 05-Apr-2018

Revision Number 4

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

### Product Identifier

Product Name **MITOMAX II**

### Other means of identification

Product Code 2108110  
CAS Number MIXTURE  
Formula Not available  
Synonyms Not available  
UN-No UN3082  
EPA Registration Number 2749-577

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

Recommended Use Agriculture  
Uses advised against Avoid contact with food. Avoid prolonged contact with eyes, skin, and clothing.

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

Supplier Address ACETO AGRICULTURAL CHEMICALS CORPORATION  
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

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 1
Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin Sensitization	Category 1
Carcinogenicity	Category 2
Flammable liquids	Category 4

### Label elements

## Emergency Overview

## Signal Word

**DANGER**

## Hazard statements

Fatal if inhaled  
 Causes skin irritation  
 Causes serious eye damage  
 May cause an allergic skin reaction  
 Suspected of causing cancer  
 MAY BE HARMFUL IF SWALLOWED  
 May be harmful in contact with skin  
 Combustible liquid  
 Very toxic to aquatic life with long lasting effects



## Appearance

Dark brown Translucent

## Physical State

Liquid

## Odor

Pungent gasoline like

## Precautionary Statements - Prevention

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wear respiratory protection  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep cool

## Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
 Specific treatment (see supplemental first aid instructions on this label)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN: Wash with plenty of soap and water  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 Take off contaminated clothing and wash before reuse  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

## Precautionary Statements - Storage

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None known

**Other Information****3. COMPOSITION/INFORMATION ON INGREDIENTS****Synonyms** Not available**Formula** Not available

Chemical Name	CAS No	Weight-%	North American Hazard Indicator
Propargite	2312-35-8	75	True
Naphtha (petroleum), heavy aromatic	64742-94-5	15	True
Proprietary Component	N/A	10	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.

**Inhalation** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician.

**Self-Protection of the First Aider** 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 fog. Foam. Dry chemical. Carbon dioxide (CO2).**Unsuitable Extinguishing Media** Do not use water jet as an extinguisher; as this will spread fire.**Hazardous Combustion Products** Thermal decomposition or combustion may produce hazardous gases and/or materials.

**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**

Incompatible with strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Propargite 2312-35-8	-	-	-
Naphtha (petroleum), heavy aromatic 64742-94-5	-	-	-
Proprietary Component N/A	-	-	-

**Appropriate engineering controls****Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Tight sealing safety goggles.
<b>Skin and body protection</b>	Use suitable eye protection and gloves.
<b>Respiratory Protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Dark brown Translucent
<b>Physical State</b>	Liquid
<b>Odor</b>	Pungent gasoline like
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	5.62	
<b>Melting point / Freezing point</b>	No data available	Literary Reference
<b>Boiling point / boiling range</b>	No information available	
<b>Flash Point</b>	70.5 °C	No information available
<b>Evaporation Rate</b>		
<b>Flammability (solid, gas)</b>		
<b>Flammability Limit in Air</b>		
<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>	No information available	
<b>Water Solubility</b>	No information available	
<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>	104.4 Centistokes @ 20°C 29.3 Centistokes @ 40°C	
<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>	No information available
<b>Density</b>	1.063 g/ml @ 20°C
<b>Bulk Density</b>	No information available
<b>Corrosion characteristics</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not applicable.
<b>Chemical Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Incompatible Materials</b>	Incompatible with strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Product Information

**Oral LD50** 1750 mg/kg; (rat)  
**Dermal LD50** > 2000 mg/kg; (rat)  
**Inhalation LC50** 0.058 - 0.53 mg/L; (rat); 4H

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propargite 2312-35-8	>2000 mg/kg	>2000 mg/kg	0.20 mg/l 4 Hr
Naphtha (petroleum), heavy aromatic 64742-94-5	-	-	-
Proprietary Component N/A	-	-	-

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

### Information on likely routes of exposure

### Information on toxicological effects

**Symptoms** No information available.

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

**Serious eye damage/irritation** Extremely irritating to eye. Causes irreversible destruction of ocular tissue.

**Skin Corrosion/Irritation** Moderately irritating to skin. Rabbits.

**Sensitization** Not a sensitizer. Buehler method - Guinea pigs.

**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.

### Numerical measures of toxicity - Product Information

#### Acute Toxicity

**Oral LD50** 1750 mg/kg (rat)  
**Dermal LD50** > 2000 mg/kg (rat)  
**Inhalation LC50** 0.058 - 0.53 mg/L (rat) 4H

## 12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT.

### Ecotoxicity

Very toxic to aquatic life with long lasting effects

10 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Propargite 2312-35-8	> 1.08 mg/L EC50 1.08: 96 h Pseudokirchneriella subcapitata mg/L EC50	0.022 - 0.043: 96 h Lepomis macrochirus mg/L LC50 static 0.096 - 0.146: 96 h Oncorhynchus mykiss mg/L LC50 static 0.105 - 0.231: 96 h Oncorhynchus mykiss mg/L LC50 flow-through		0.0661 - 0.0847 mg/L EC50 0.0661 - 0.0847: 48 h Daphnia magna mg/L EC50 Flow through
Naphtha (petroleum), heavy aromatic 64742-94-5		1740: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Pimephales promelas mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50 41: 96 h Pimephales promelas mg/L LC50 45: 96 h Pimephales promelas mg/L LC50 flow-through		= 0.95 mg/L EC50 0.95: 48 h Daphnia magna mg/L EC50

**Persistence/Degradability** No information available.

**Bioaccumulation/Accumulation** No information available.

**Mobility in Soil** No information available.

Chemical Name	log Pow =
Propargite 2312-35-8	5.76 - 5.77
Naphtha (petroleum), heavy aromatic 64742-94-5	2.9 - 6.1

### 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

<b>UN-No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Reportable Quantity (RQ)</b>	Propargite: RQ kg= 4.54
<b>Marine Pollutant Description</b>	This product contains a chemical which is listed as a marine pollutant according to DOT. UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propargite), 9, III, Marine pollutant, RQ
<b>Emergency Response Guide Number</b>	171

**TDG**

<b>UN-No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

**MEX**

<b>UN-No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

**ICAO**

<b>UN-No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

**IATA**

<b>UN-No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

**IMDG/IMO**

<b>UN-No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>EmS No.</b>	F-A, S-F
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

**RID**

<b>UN-No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M6
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
<b>ADR/RID-Labels</b>	9

**ADR**

<b>UN-No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M6
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
<b>ADR/RID-Labels</b>	9

**ADN**

<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M6
<b>Special Provisions</b>	274, 335, 375, 601
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
<b>Hazard Labels</b>	9



Limited Quantity

5 L

**15. REGULATORY INFORMATION***International Inventories*

<b>U.S.A. (TSCA)</b>	Does not comply
<b>Canada (DSL)</b>	Does not comply
<b>EU (EINECS)</b>	Does not comply
<b>EU (ELINCS)</b>	Does not comply
<b>Japan (ENCS)</b>	Does not comply
<b>China (IECSC)</b>	Does not comply
<b>Korea (KECL)</b>	Does not comply
<b>Philippines (PICCS)</b>	Does not comply
<b>Australia (AICS)</b>	Does not comply
<b>Mexico INV</b>	Does not comply
<b>Taiwan INV</b>	Does not comply

Chemical Name	U.S.A. (TSCA)	Canada (DSL)	EU (EINECS)	EU (ELINCS)	
Propargite	-	-	Present	-	
Naphtha (petroleum), heavy aromatic	Present	Present	Present	-	
Proprietary Component	-	-	-	-	
Component	Japan (ENCS)	China (IECSC)	Korea (KECL)	Philippines (PICCS)	Australia (AICS)
Propargite 2312-35-8 ( 75 )	-	Present	Present	Present	Present
Naphtha (petroleum), heavy aromatic 64742-94-5 ( 15 )	Present (9)-2578	Present	Present	Present	Present
Proprietary Component N/A ( 10 )	-	-	-	-	-
Chemical Name	Mexico INV		Taiwan INV		
Propargite 2312-35-8	Present		Present		
Naphtha (petroleum), heavy aromatic 64742-94-5	Present		Present		
Proprietary Component N/A	-		-		

This material as a whole is exempt from the TSCA Inventory // FIFRA Regulated Pesticide

*Federal Regulations***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

Component	SARA 313 - Threshold Values
Propargite 2312-35-8 ( 75 )	1.0 % de minimis concentration

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	No

**Reactive Hazard**

No

**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)

**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

Chemical Name	CERCLA/SARA Hazardous Substances	CERCLA/SARA RQ	RQ
Propargite 2312-35-8	10 lb final RQ; 4.54 kg final RQ		10 lb final RQ; 4.54 kg final RQ

*State Regulations***California Proposition 65**

This product does not contain any Proposition 65 chemicals.

Chemical Name	CAS No	Category	Type
Propargite	2312-35-8	carcinogen, initial date 10/1/94 developmental toxicity, initial date 6/15/99	carcinogen, initial date 10/1/94

**State Right-to-Know**

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

Chemical Name	New Jersey	Massachusetts	Illinois	Rhode Island	Pennsylvania
Propargite 2312-35-8	sn 1596	Present			Environmental hazard

**U.S. EPA Label Information**

EPA Pesticide Registration Number 2749-577

*Canada***WHMIS Statement**

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

**NFPA**

Health 4

Flammability 2

Instability 0

Physical Hazard 0



**Issuing Date** 01-Mar-2017

**Revision Date** 05-Apr-2018

**Revision Summary**

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**