

# SHUTTLE® O MITICIDE

EPA Registration Number: 70506-447-59807

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

**Identification of the product**

**Product Description:** ..... SHUTTLE® O

**Other means of identification**

**Internal SDS code:** ..... 12A-0037

**Registration number(s):** ..... 70506-447-59807

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

**Recommended use:** ..... Miticide.

**Uses advised against:** ..... Activities contrary  
to label  
recommendation

**Details of the Supplier of the Safety Data Sheet  
Supplier Address**

UPL NA Inc.  
630 Freedom Business Center  
Suite 402  
King of Prussia, PA 19406

**Emergency Telephone Number**

**Company Telephone Number:**... 1-800-438-6071

**Emergency Telephone Number:**

Chemtrec:..... (800) 424-9300 (24hrs)  
or (703) 527-3887

**Medical:**

Rocky Mountain Poison  
and Drug Safety: ..... (866) 673-6671 (24hrs)

**2. HAZARDS IDENTIFICATION**

**Classification**

**OSHA Regulatory Status**

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

<b>Acute toxicity - Dermal</b>	<b>Category 5</b>
<b>Acute toxicity - Inhalation (Vapors)</b>	<b>Category 4</b>
<b>Serious eye damage/eye irritation</b>	<b>Category 2B</b>

**Label Elements**

**EMERGENCY OVERVIEW**

**WARNING**

**Hazard Statements:** ..... HARMFUL  
IF INHALED  
May be harmful  
in contact with skin  
CAUSES  
EYE IRRITATION

**Appearance:** ..... Clear

**Physical State:** ..... Liquid

**Odor:** ..... Detergent Like  
Odor

**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/  
face protection

Do not get in eyes, on skin, or on clothing  
Use only outdoors or in a well-ventilated area

**IF IN EYES:** Rinse continuously 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 soap and water  
Call a POISON CENTER or doctor if you feel unwell  
Wash contaminated clothing before reuse

**IF INHALED:** Remove victim to fresh air and keep at rest in  
a position comfortable for breathing  
Call a POISON CENTER or doctor if you feel unwell

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste  
disposal plant

**Hazards Not Otherwise Classified (HNOC)**

**OTHER INFORMATION**

- MAY BE HARMFUL IF SWALLOWED

**3. COMPOSITION/INFORMATION ON  
INGREDIENTS**

Chemical name	CAS No	Weight-%
Acequinocyl	57960-19-7	15.8

If CAS number is "proprietary", the specific chemical  
identity and percentage of composition has been withheld  
as a trade secret.

**4. FIRST AID MEASURES**

**FIRST AID MEASURES**

**Eye contact:** Hold eye open and rinse slowly and gently  
with water for 30 minutes. Remove contact lenses, if  
present, after the first 5 minutes, then continue rinsing eye.  
Call a poison control center or doctor for treatment advice.

**Skin contact:** Wash off immediately with soap and plenty  
of water removing all contaminated clothes and shoes. Call  
a poison control center or doctor for treatment advice.

**Inhalation:** Move person to fresh air. If person is not  
breathing, call 911 or an ambulance, then give artificial  
respiration, preferably mouth-to-mouth if possible. Call a  
poison control center or doctor for further treatment advice.

**Ingestion:** Never give anything by mouth to an  
unconscious person. Call a physician or poison control  
center immediately. Do not induce vomiting without  
medical advice.

**Most Important Symptoms and Effects, Both Acute and  
Delayed**

**Most Important Symptoms and Effects**

MAY CAUSE DAMAGE TO ORGANS THROUGH  
PROLONGED OR REPEATED EXPOSURE.

**Indication of Any Immediate Medical Attention and  
Special Treatment Needed**

**Notes to physician:** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

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Dry powder. Foam. Carbon dioxide (CO2). Water spray.

**Unsuitable extinguishing media**

High volume water jet.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**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** . . . . . Avoid contact with skin and eyes. Use personal protective equipment. Provide adequate ventilation. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

**Environmental Precautions**

**Environmental precautions** . Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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

**Methods for Clean-Up** . . . . . Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** . . . . . Avoid contact with skin and eyes. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Ensure that eyewash stations and safety showers are close to the workstation location. Wash thoroughly after handling.

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

**Storage** . . . . . Keep container tightly closed in a dry and well-ventilated place.

**Incompatible materials** . . . . . Strong oxidizing agents.

**Precautions for safe handling**

**Handling** . . . . . Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep out of reach of children.

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

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

**incompatible materials** . . . . . No materials to be especially mentioned.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering controls** Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

**Personal protective equipment**

**Eye/Face Protection** Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact. If splashes are likely to occur, wear: Face-shield.

**Skin protection** Wear protective gloves/clothing. Socks and footwear.

**Respiratory protection** Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

**General hygiene considerations**

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** . . . . . Clear  
**Physical State** . . . . . Liquid  
**Odor** . . . . . Detergent like odor  
**Color** . . . . . Light Yellow

Property	VALUES	Remarks/ Method
pH	7.1	(1% aq)
Melting point/ freezing point		None known
Boiling Point/ Range		None known
Flash Point	Not Applicable	None known
Evaporation Rate		None known

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Flammability (solid, gas)		None known
Relative Density		None known
Specific gravity		None known
Bulk density	1.04 @ 20 C	None known
Water solubility		partially miscible
Solubility in Other Solvents	No information available	None known
Partition coefficient: n-octanol/water		None known
Autoignition temperature		None known
Decomposition temperature		None known
Viscosity		None known

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b> .....	no data available.
<b>Chemical stability</b> .....	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b> .....	None under normal processing.
<b>Conditions to avoid</b> .....	Extremes of temperature and direct sunlight.
<b>Incompatible materials</b> .....	No materials to be especially mentioned.
<b>Hazardous decomposition products</b> .....	Thermal decomposition can lead to release of irritating gases and vapours. Noxious fumes.

**11. TOXICOLOGICAL INFORMATION**
**Information on Likely Routes of Exposure**

<b>Product information</b> .....	Kanemite 15 SC Acute oral LD50 (rat) > 5000 mg/kg Acute dermal DL50 (rat) >2000 mg/kg Acute inhalation LC50 (rat) > 4.56 mg/L/4 hr
<b>Inhalation</b> .....	May be harmful if inhaled.
<b>Eye contact</b> .....	May cause irritation.
<b>Skin contact</b> .....	May cause sensitization of susceptible persons.
<b>Ingestion</b> .....	HARMFUL IF

SWALLOWED.

**Information on Toxicological Effects**

<b>Symptoms</b> .....	No information available.
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	
<b>Sensitization</b> .....	No information available.
<b>Mutagenic effects</b> .....	no data available.
<b>Carcinogenicity</b> .....	There are no known carcinogenic chemicals in this product.
<b>Reproductive effects</b> .....	Not Available.
<b>STOT - Single Exposure</b> .....	No data available.
<b>STOT - Repeated Exposure</b>	No data available.
<b>Aspiration hazard</b> .....	No information available.
<b>Numerical Measures of Toxicity - Product information</b>	
<b>LD50 Oral</b> .....	> 5000 mg/kg (rat)
<b>LD50 Dermal</b> .....	> 2000 mg/kg (rat)
<b>LC50 Inhalation</b> .....	18 mg/l ( 1 hr)

**12. ECOLOGICAL INFORMATION ecotoxicity**

Kanemite 15 SC  
 FISH *Oncorhynchus mykiss* 96 hr = 65 mg/L  
 DAPHNIA 48 hr = 0.0154 mg/L  
 AQUATIC ORGANISMS *Psuedokirchneriella subcapitata* 96 hr = 0.93 mg/L

**Persistence/Degradability**  
 no data available.

**Bioaccumulation/ Accumulation**  
 No information available.

**Other Adverse Effects**  
 no data available

**13. DISPOSAL CONSIDERATIONS Waste Treatment Methods**

**Waste Disposal Method** .....

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Contaminated packaging** Refer to product label.

**14. TRANSPORT INFORMATION**

**DOT** .....

When shipped domestically by highway in non-bulk containers this product can be shipped as not regulated.

When shipped in bulk, by vessel, or internationally use the IMDG shipping description:

An American Vanguard Company

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**Proper shipping name** . . . . . Environmentally hazardous substances, liquid, n.o.s (Acequinocyl)  
**Hazard class** . . . . . 9  
**Packing group** . . . . . PG III  
**Description** . . . . . IMDG - Marine Pollutant  
**IMDG**  
**UN/ID no** . . . . . UN3082  
**Proper shipping name** . . . . . Environmentally hazardous substances, liquid, n.o.s (Acequinocyl)  
**Hazard class** . . . . . 9  
**Packing group** . . . . . PG III  
**Environmental hazards** . . . . . IMDG - Marine Pollutant

**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:

**CERCLA**

Not applicable

**CERCLA**
**RCRA**
**Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	California Pesticides - Restricted Materials
Acequinocyl 57960-19-7 (15.8)			X

**15. REGULATORY INFORMATION**

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 for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**Signal Word** . . . . . CAUTION

**Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Harmful if inhaled. Toxic to aquatic invertebrates such as eastern oyster and mysid shrimp.**

**International Inventories**

**USINV** . . . . . Not Present  
**DSL/NDL** . . . . . Not Present  
**EINECS/ELINCS** . . . . . Not Present  
**ENCS** . . . . . Not Present  
**China** . . . . . Not Present  
**KECL** . . . . . Not Present  
**PICCS** . . . . . Not Present  
**AICS** . . . . . Not Present  
**TSCA** . . . . . Not Present

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

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU 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

**AICS** - Australian Inventory of Chemical Substances

**State Regulations**
**State Right-to-Know**
**International regulations**
**U.S. EPA Label information**

EPA Pesticide registration number 70506-447-59807

**16. OTHER INFORMATION**

NFPA Health1 Flammability2 Instability0 Physical Hazard

**Preparation Date** . . . . . 11-Aug-2020

**Revision Date** . . . . . 27-Jan-2022

**Revision Summary**

Update registration number Update logo Update section 11 Update section 2

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